

gaagtaattg gataacggca attccaactt cgctccacct ttaaactcaa aaatcagctc 120  
 cggcaccgtc acatctccct tcccggagat attaaaacac ggtccaagtc ctgtttccct 180  
 ctccaagtct ttctcagcag tgtagttcga catctgtgaa gcgaattctt cagcaacgag 240  
 ctcgaaaacg ggtcgctcca tgaaagtga ttagatccg gaatcaaaa tggatcctcc 300  
 gtctccgtta gttcccgccg cgagatactt atacggaatc ttcacgtgct ttcttccgac 360  
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<210> 16368  
 <211> 533  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-024-Q1-E1-H1

<400> 16368  
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 cgcgnccgcc caccggtccg tatctaataa atggcggttac aaaggcaact cctgaagaga 120  
 gctacttccg atatctatca ccgccgtgag atctctctcc tccgtactga tttctctact 180  
 tctccttcga ttgctgatgc tccgccgcac attccgccgt tcgttcacca gccacggccg 240  
 tataaaggtc cttccgccga tgaggtttta cagaaacgga agaagtttct cggaccttct 300  
 cttttccact actaccagaa gcctcttaac atcgttgaan ggaagatgca atacttgtat 360  
 gatgagagtg gtaagcgata tctggatgcc tttgctggaa tagtcactgt gtcgtgcggt 420  
 cactgccatc cggatattcc taatgcgatt acngaacaga gcaaggctac ttcagcacgc 480  
 gactactant tacctgcatc atgccnttgg gtgantttgc tgaaagcaat ggg 533

<210> 16369  
 <211> 386  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-024-Q1-E1-F11  
 <400> 16369

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 gtcccaatgg ctctcttttc gattctccca agctttctct tcttttcgag cctctccggt 180  
 caaggaagac gaatangtta gttagcgata ganagaattg gtnnaattca actccgagag 240  
 ctgtatatattc cggcnatctc tggacaccgg agattccntc tcttcaatga gtttggtcca 300  
 ttaganatga ttacaagtc ccttcttcgc cgtattttcn tgcttatgct cantngacaa 360  
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 <211> 243  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-024-Q1-E1-F2  
 <400> 16370

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 gcnacagcca cgtgtaagca tctactgaag gaaaacaacg tgnaaccgat ggtgggtact 180  
 gtcctttcat gctctgtgaa ngcttgtttc gaaggaactc cngtgaaaaa ctcnttggga 240  
 nat 243

<210> 16371  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-024-Q1-E1-F3  
 <400> 16371

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 aagaancatn tatatntann gcaaacatgt tccaganaaa ggnaaaancc nnaagggcgg 180  
 ccgctctaga ggatncaagc ttacgtacgc gtgcatgcga cgtcatagct cttctatagt 240



gtcacctaan ttcaattcac tggccgctcgt tttaacaacgt cgtgactggg aaaaccctgg 300  
 cgttacccaa cttaatcgcc ttgcagcana tccccctttc gccagctggn gtaatatcga 360  
 aaaggcccgcc accgattgcc cttcccaaca gttgcgagc ctgaanggcg aatgggacgc 420  
 gccntgtagc gg 432

<210> 16372  
 <211> 453  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-024-Q1-E1-F4  
 <400> 16372

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 tagctcgctt tggatccagt ggttttaagt taaaggtaaa tttatcgaaa gtaagtagat 120  
 tcctaattggc agctttccat cattcatctg gtaaacctgg aggagtttta agtgatgctt 180  
 tatgtaggga gctctggcat gcctgtgctg gacctcttgt aacctacct cgtgaagggg 240  
 aacgagttta ttatttccct gaaggccaca tggagcagct cgaggcatca atgcaccaag 300  
 gtttggagca acagatgcct tccttcaacc tcccatctaa gatcctctgt aaaagttatc 360  
 aacatccaac gcaaggcaaa gccccgagac tgacgaagta tatgcgcaaa taancttatt 420  
 gccaaaactg gattaanaanc aaaccactan ncc 453

<210> 16373  
 <211> 553  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-024-Q1-E1-F5  
 <400> 16373

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 gtngccccac gngtccgctc atctcctctc cgtcgagctt actatctcca caaatggcg 120  
 tcgacggtag gagttccatc actataccaa gttcctcacc ttgaaatctc caaacccaat 180  
 tccaangng aggtcggaat tgtttatctt tatctctcga taagcctttc ttcactccct 240

tatctcttgt tcgtagaact cgtcgatatcc attcctcttc tcttcttgtt ccttctgctg 300  
 ttgctactcc taattctggt ctcaagtgaag aagctttcan aagtcttggg tctttctgac 360  
 catgacgaat atgaccttga cggngacaac ancancgttg naagcctgat ggatgggtga 420  
 nggaactccg ctatctccta anctttagtt ttgcctccaa cgttcttggg agaattctnt 480  
 tggagaaaac gtggtatnac tcatctcctt ccccaattca gaagagctgt gttggtacct 540  
 gcactgncan ggg 553

<210> 16374  
 <211> 452  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-024-Q1-E1-F6

<400> 16374  
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 gcctagtgcg atttcaccgg ccttcaaatt taccgggagc tactaatact ttgcattggt 180  
 cttagaagta acacttgaat gcatactca aatgctctta cagataagtg gcatggagca 240  
 aactagcttt ctctccagc aggcattctaa ggttggattt tctcattcaa acattctgcg 300  
 aacaatcgtc caccgtgctt gctcgagggt tccccatctt gattgggtat aattatgggg 360  
 tatagtccaa ttactccaag gttcaacaac cctggaagtc tctgaaggac cccagaaaag 420  
 tgttgtcata ttggaggag atactcagag cg 452

<210> 16375  
 <211> 453  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-024-Q1-E1-F7

<400> 16375  
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 ttccgccaca ccaaccacc agcaccaccg ccgtaccaac agcaacaaca nncaccagca 120

cactctaaca cctctccacc acaacggcaa accccaaacc agaaaacgac atgacgacaa 180  
cgacgaagac gatggtggtg ccgtatcctg caacaagtgt cgacctcacc actctcaccg 240  
tgacaaattc tccgtcgtac ctctcgaaag ccacaacaac ccttctttca tctctagccc 300  
caatctcata atcaaatcca tcttccaatc tctcacacgg gagaagcccc aaaccttctc 360  
tgcannggag gcgcttccat ngcnctcttc ctcatcctcc gctgcagatg cttcnagatn 420  
aagaacagtg gnggttagct gtggcggnag ctt 453

<210> 16376  
<211> 453  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB25-024-Q1-E1-F8  
<400> 16376

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ttcctccgta actactctgt ttccaccggc ttaaatacaag ccaagatcct gatgtttgag 180  
cgtcacgaga tagtcggtgg acgcatgagg accgtcactg tcgccggtga tactttcgaa 240  
gccggcggtt cgattctcca tccgaagaac taccacgtta aggatttctg cgaaaggttc 300  
aatctgacgg ttcgattacc gacgccgatt gaagaatctt cagcgattgg aatctgggat 360  
gggaagagat ttgtcgtcaa gacattccgt tccggtacca aatttcccg ttttggatac 420  
gatcgtctcc ttgggtgaaa tgatcctact tgg 453

<210> 16377  
<211> 527  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-024-Q1-E1-G1  
<400> 16377

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gcgtccgttt tgacaaagcc ccccaaaaaa aaaaagagtt caaaatgaaa aacgtgagaa 120  
atggatttgt catcattctt ctccacgtcc ttagtctctg aaaataaatt ctgattttga 180

tttcgaattt tagggatttt gagagagagt cagttatgag tagttcggag agagtaccgt 240  
gcgatttctg cggcgagcgt acggcggttt tgttttgtag agccgatacg gcgaagctgt 300  
gtttgccttg tgatcagcaa gttcacacgg cgaatctgtt gtcgaggaag cacgtgcgat 360  
ctcagatctg cgataattgc ggtaacgaac cagtctctgt tcggtgtttc accgataatc 420  
tgattttgtg tcangagtgt gattgggatg ttcacggaag ttgttcaatt tccgatgctc 480  
atgttccatt cgccgtggaa ggttttccgg gtgtccatcg gcgttgg 527

<210> 16378  
<211> 484  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-024-Q1-E1-G2

<400> 16378  
gccacgcgt ccgaaaactc ttgagagcta acaaaacaga gaaccaacga ataaaacaaa 60  
aatgccttct ttagagaaat ctgtaacaat aatctcaaga aacagagtct tcccagacca 120  
aaagtcaacc ctggttgacc tcaagctctc cgtctccgat cttcccatgc tctcttgcca 180  
ctacatccaa aaaggttgtc ttttcacgtg ccctaacctt cctctccccg cgcttatctc 240  
acacctcaaa cactctctct caatcactct caccacttc cctcctctcg ctgggccgctc 300  
tctcaacctc ctctccggg caacgttttc ctcaacctgg aaatgacgcc ngngnccgga 360  
ttttggtttt tcgccc aaag caaaattcat ccaacgtnaa gccgaacgtt gatttgccgg 420  
gnattcgaan gtttccggaa tgtnggtcca aaagaggttt tttcaaccta angaacaaga 480  
aggg 484

<210> 16379  
<211> 459  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-024-Q1-E1-G4

<400> 16379  
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cgtcacagcc agggcaggat ttctcctcgt ctctccctac ggaaacgaga ttggagaata 120  
 tacaacagat gattgctgga gtaatgtcag aggatagaga cttacaattg gaggcgacgg 180  
 ctagcttcag gagattgctt tcaattgagc gaaatcctcc aatcaatgaa gttgttcaat 240  
 ctggtgttgt tcttcacatt gtgcaatttc tttccaggga tgacttcact caacttcagt 300  
 ttgaggcagc ttgggcgctt accaatatcg cttcagggaac atctgagaac actaaggtca 360  
 ttattgataa tgggtgctgtc cctttaatcg tcaaacttcc taattctgca agtgangaaa 420  
 ttcnanaaca agctgttttg gcaattggga aacntgctg 459

<210> 16380  
 <211> 515  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-024-Q1-E1-G7

<400> 16380

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 acactcccaa aaaaagatca gttccaata tttttccct tcttacaan aagatgtcta 180  
 tgtcgtctat gtctccct tctcagctg tttgttcacc ggaccacttc tctccttcg 240  
 accatctctg ctatgtccaa tgcaactttt gccaaaccat ccttgcggtt aatgttcctt 300  
 acacaagctt gttcaagacc gtaactgtcc gatgtggttg ctgtaccaat ctcttttcg 360  
 tgaacatgag atcatatgtc ctccaagct tctaaccagc tccagctcca gctcggtcct 420  
 cactcttact tcaatcccca ggatattctg gaggagctga gagatgcanc gtcnaanatg 480  
 aatatgatga tgatgaatca ncatccnact atgng 515

<210> 16381  
 <211> 459  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-024-Q1-E1-G8

<400> 16381

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 agagaatgga agctaactac catgatagag cagaagagac tggctcttta atcgtttctg 180  
 cttgtgggtt tgattcaatt cctgctgaat tgggtcttct ctttaatgct aaacaatggg 240  
 tatctccatc ggttccctaac cagattgaag cgtaccttag cttggagtct gacaaaaaat 300  
 tgctgggaac tttggggact tatgaatctg cggtttttagg tgttgctaata gcagaaanag 360  
 cttanagaat taagacgttc aagaccanga angccaagac cancgatttg tggctcctct 420  
 gctaaaggac aacattaaga aaaccangaa gacgattng 459

<210> 16382  
 <211> 93  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-024-Q1-E1-G9

<400> 16382  
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 agagtttgat tcttttgaag atgttcttan cat 93

<210> 16383  
 <211> 429  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-024-Q1-E1-F10

<400> 16383  
 aaaaacaaaa caaaacttaa gttcatacat catggcctta atagctacca aaataagttc 60  
 acgttcttgt tttgtttctg cttatccaaa caattctcca tcgtttcnga tatccaaatt 120  
 tcccaatagc gtcgattctt tgcgcctgc aaatactgct aaaagatcga tcttganaaa 180  
 cgtccatgct tcagtttcta acccttcgaa ncagtttcat aataagacat ccttagtata 240  
 tatattctgc ttactttttg ttgctcatgc tgttttcaga actangaatg tgtttgttct 300  
 tgtacgtagg aatatttaca cgagttgant atcaagaana tcaagaatat actaagtgca 360

aacgtagatg ttccatccga gaactggaga tgategatgt cattcaaagt ttaagcnntg 420  
atcncaatt 429

<210> 16384  
<211> 442  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-E2

<400> 16384

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gactgattct aagttacaga gaagcttact cttcttctcc cattcatatc gatctgatcc 180  
ggatgaatttc atccgtcgga gaattgtctc ttgttctcag acgaagaaga caggtttggt 240  
tcctttgagt gctgttgtat ctgctgatca aggaagtgtg gttcaagggt tggctactct 300  
cgcgatcag ctccgattaa gtagtttgac tgaagatggt ttatcttata aagagaaggt 360  
tggtgttaaa tcttaacaaa gtgggtagt aacaaaancg ctactgttga aancaatggc 420  
aaacctttac anggaggtgg ga 442

<210> 16385  
<211> 451  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-E3

<400> 16385

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gtccgcaana tcacactttc ataaagctca taacatacat aaaaaatggg tgaatctttt 120  
agattattca atcatcatca cttcttcaca acttttctca taatcatagc catgctcaaa 180  
ttggttcata caacaacaac aacaactaca acaacaacaa caaacaccga gttcgtaaaa 240  
tcatcatgca ctttcacaac gtaccaaga ctctgtttct cttcactctc aactcatgct 300  
agtctcatcc aaacaagccc caagctcatg gctcatgcgg ctctcaacat cacattagcc 360

tcggctaaag taacttcagc aatgatgggtg cgtctctcga atagtcggct caagcctaaa 420  
gaagtctcgg gcatgagaga ctgcgtcgaa g 451

<210> 16386  
<211> 483  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-E4

<400> 16386

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gaaccaaanc natncaanaa annchnaant ttncaccct ngctnaaagg ngttncang 120  
gctttcttta atccttttgg gttttgagat tgctgcttat ttcaaagggt ggagctttgg 180  
aacttctaag cttcagcttc agtttatctt caataaaggg ttctttgatt gggtttacac 240  
gagatggggt ttgcttcgtg ttgagtatct tgctcctcct cttcagtttc ttgctaatgg 300  
ctgcattgtt ctgtttcttg ttcagagtct tgatagactc attctttgtc ttggttggtt 360  
ttggatccgg tttaagaaga ttaaaccggg tcctaaaccg gattcnactc tgatctgaat 420  
ctggtgataa tgggtgctttc ctcccatggg cttgtcaaatt cccatgtgta atgagaaaga 480  
ggt 483

<210> 16387  
<211> 365  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-023-Q1-E1-E6

<400> 16387

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gtgaaaccag gaaagatttt gaagtaccaa aagggttatga aagagggttag gcgatatttt 120  
gactatacac atctaaatgg aagtgtgaac gagatctgga gacaagttac taagaagata 180  
ccgctaataca aactgatgat taatcgggag aagcgcgatga tcaagagaga tggaagtgc 240  
cctcaatgtt cttgtttatg ctcaaaccaa accgggatca tccatggtgt ctagtaagggt 300



taaatgcta gcaagctcat gctaagcaac aaaatgtgat cattaataat gatgaatcaa 360  
agact 365

<210> 16388  
<211> 510  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-E8  
  
<400> 16388

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ganntggggg ttttcataat ttttggttct tcagctcttc aagcttcgat agggtttttag 120  
taattttccg atggcttcaa gctcagagaa aacacctctt attccttcag atgagaaaaa 180  
cgataccaag gaagagagta agagtactac taaaccagaa tcaggctcag gagctccacc 240  
ttcaccttca ccgactgac ctgggcttga tttcaatgct tttgatttct ccggcatggc 300  
tgggatcctc aatgatccaa gtatcaanga attggctgag caaatagcta aagatccttc 360  
atttaaccag ttagctgaac agcttcagag atttgtgcc aacgggatct caatgaaagg 420  
aaggccaacc taactttgat tcacaacaag tatatgcaaa caatgcaaca agttatggga 480  
gaaacctgag ttttagaaca atggntggac 510

<210> 16389  
<211> 419  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-E9  
  
<400> 16389

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ggtgacggac gatagcaact cctctggacg aatcaagtct catgtagatg atgatgatga 120  
tggtgaagaa gaagaagata gactcgaggg tttggaaaac agattaagtg agcttaaaag 180  
gaaaattcaa ggagaaagag ttaggtctat taaagagaaa tttgaggcta atagaaagaa 240  
agtggatgct catgtttctc ccttttcatc tgctgcatcg agccgagcta ccgcagagga 300

taatggaaat agcaatatgc tttcttcgag aatgagaatg ccactctgca agttaaatgg 360  
 ttttctcatg gtgttgggag atagagacaa gttcccnact aaggatgtta tatcancaa 419

<210> 16390  
 <211> 255  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-023-Q1-E1-F10  
 <400> 16390

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 tgcaatgtat gtgaagtgat taatgagtct tgtggtatgt ggtgaattgc tcataatcga 120  
 tctgattgtg gtcaaagtgt catatatata tgtatatctt tgaattttac tttgttttca 180  
 tgatgtctta tgttttgttg atctattgaa gagaaccatg tttgtttgtt ggaaaaaaaa 240  
 aaaaaaaaaag ggcgg 255

<210> 16391  
 <211> 434  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-023-Q1-E1-F12  
 <400> 16391

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 ccaaagcact aacaccaaat ctcttccgt aaaccagccc taccggaccg gtttccattt 120  
 ccaaccccc aaaaattgga tgaacgatcc taatgggcct atgatataca aaggaatata 180  
 tcatcttttc taccaatgga acccgaaagg agccgtgtgg ggtaacatcg tgtgggctca 240  
 ttccacgtca acagacttaa tcaattggga tccacatcct ccaactatct tcccatctgc 300  
 acccttcgat atcaacggat gctgggccgg ttcagctact aatctcccta atgggaaacc 360  
 gggttatcct ctataccgga atcgacctaa gaacaacagg tcaaaacata gccganccta 420  
 agatctctcg atct 434

<210> 16392

<211> 502  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-F2

<400> 16392

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aaaacgggtn natngncgcc gggaaacnaa cttcangggc gtanctctag caatctgtca 120  
ccaccaatc gaaaacctaa taattccatc gtccgatacg gatgcggatc ttcgaagcgt 180  
ttccgtatcg taacgggtctt ggcgtcactc cgggaaaacg atgcaaacgg aagggataac 240  
tccgtgagag ctatggaagt gaagaagatc tttgaagact cgcctctgct tcctaagccg 300  
ttatcatcga accagctcac ggaatctgtc tctaattggc cccgcgttcg tgttgcgat 360  
caggagtagc gangtgcata cagcgaatca gctgctgaga aggttatcc aaactgtgaa 420  
gctgttccat gcgaagagtt tgacactgct ttgaagcggc tgagcgggtg cttgttgaca 480  
aaactgtttt accgaattga ga 502

<210> 16393  
<211> 501  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-F4

<400> 16393

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tgtgcctccc gagctggnta tncaatggag ttgactgct tggatgaatca atggtcagca 120  
gataacaaag atggtgtcct attgtgctta tcacatggc cccancccag ngaacgtgtt 180  
aattatacaa actccttcat cgagccttct ctgcananag tcttgtccaa cacaanaaga 240  
aagggtggtc caggcttatt tcattaatca cgagaagacg atgaancacc tgcngagaat 300  
accattacat gtgattcatt ttctgctgct cgttgtcgag tatttaatag aaagatcant 360  
atcacgaaga ngattgaata agaagccatt cctcaccaca caatgggacc acgcatcat 420  
gcatcagcag caatccaaac ttanncaca ttcanacatg tgccagaaga anccaaatcg 480

tttcctcctt canggaacga a

501

<210> 16394  
<211> 442  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-F6  
  
<400> 16394

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gatccgtcct ctgtagctct agaacaatgg ggtttatctc taggaatgtg tttccggcat 120  
gcgagagtat gtgcatttgc tgtcctgctc tcaggctgag atctcgtcag cctgtcaagc 180  
gttacaagaa attgctcggc gagatcttcc ctaaateccc tgatgggtgga ccaaagaga 240  
gaaagattgt caaatttgtg gagtatgctg caaagaaccc aatccgtatc cctaagattg 300  
ctaagtttct tgaagagagg tggtacaagg accttcgacg tgaacaagat gaagttcatc 360  
aatattgtca ctgaagctta caacaaaatg ctttgccact gcaaaggatn agatggctta 420  
atttcgctac aagtttgctg aa 442

<210> 16395  
<211> 433  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-F7  
  
<400> 16395

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aacaacaatg gcgacaccag gagcttctc agcaagagat gaattcgtat acatggcgaa 120  
actcgccgaa caagcagagc gttacgaaga aatggttgaa ttcattggaga aagtcgcgaa 180  
agctgttgac aaagacgaac tcaccgtcga agaacgtaat ctctctccg tcgcttacia 240  
aaacgtcatc ggagctcgtc gtgcttcgtg gagaatcatt tcattcgatc aacaaaagga 300  
ggagtctcgc ggtaacgatg accacgttct gttgatccgt gactacagaa gcaaaatcga 360  
aacggaactt ctgatatctg tgacggnatc cctaagcttc tcgatacgaa tccccgttcc 420

cggtgcngc ttc

433

<210> 16396  
<211> 494  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-F8  
  
<400> 16396

ntgcgngnnc gtaccgtgtc agngcnttcc cgggnccccc cagcggtccg aaaaaaacia 60  
aacaaaaaat ggctacccga aaagctctga tcaacgttca cgggatcatt cgctccaccg 120  
ccgtgggttg ccggagctct atcattcctg ccgccgctaa cgggtcatat cctattatat 180  
tccggaatgg agttgatttg ggggcgagat tcttctgtga gaacactgcg tctgcccaga 240  
atttcgatat tgatctctct aacgaagaga ataagagaag aacgatcaac agattgttgt 300  
ataggagcaa gcaaagaggg tttttggaac ttgatcttgt tttggggaat tgggttgagg 360  
agaatgttaa ttccatggac gaaaatgggtg ttaaattcct aattcatgtc ctcaatttgg 420  
aaaaccctga tctctggaaa tggctaactg aacaggaaca acctcccga agcagtgagt 480  
tcaaattccg gtgt 494

<210> 16397  
<211> 502  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-G1  
  
<400> 16397

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aanccttggn taaaaaaca ncaaaggctt nggttaccga nctcaagaaa atgtctaagg 120  
aggttgaaga cagtgaactt gcagatgttg cagctgttag tgcgggtaac aacgacgaaa 180  
ttggaaatat gattgctgaa gcaatgagca aagtgggcag gaaagggtgtg gtgacccttg 240  
aggagggtaa aagtgccgag aacaacctct acgtcgtaga aggaatgcaa tttgaccgtg 300  
gttatatctc tccttacttt gtgacagaca gcgagaaaat gtccgtcgag ttcgacaatt 360

gcaagttact tctcgttgac aagaaaatta ccaatgcaag ggatcttggt ggtgttttgg 420  
 aggatgcaat tagaggcgga tacccaatat taattattgc tgaagacatt gaacaagaag 480  
 cttaacgact cntgttgtaa ac 502

<210> 16398  
 <211> 438  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-023-Q1-E1-E10

<400> 16398

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 gggaagaatt ttgacatgga ggaggaccgg tgttcgatca aggatgatgc aactcaattg 120  
 ataggtaaca cccaatggt atatctgaac aacattgtgg atggttgtgt agctcgtatt 180  
 gcagctaagc ttgaaatgat ggagccttgc tctagtgtca aggagcgaat tgcttatggt 240  
 atgattaaag atgcagaaga caagggattg attactctcg ggaagagcac actgattgag 300  
 gctacctctg gtaacaccgg gattggttta gccttcacgc gtgcagctaa aggttacaaa 360  
 gtggtcctca caatgccctc atcaatgagc cttgagagaa aaatcantcc tttaacatta 420  
 agtgccggag ggtcaact 438

<210> 16399  
 <211> 501  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-023-Q1-E1-B7

<400> 16399

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 cgaaagattc ttcattgacg gtaggagtca ccacttttgg cggcgattcc ttgttctcta 120  
 ttttttttgc acaagcaaca tttagcttct gcaaactcca gttcatctct caaccctcat 180  
 atcgccgtgt tttctcgctc tagtaccgcy agctcggacg aaccaggaag caatccgtta 240  
 atctagaagc ggtgttgaga agatgacgat tacatcaa atctctgtac agaacgataa 300

cctcggttgtt caaggggaaga ctatccttac caaaatccct gacaacatta tcctaactcc 360  
 ggtaaccggt aatggattcg tttccggttc atttatango gcgacgtttg aacaaagcaa 420  
 gagtcttcat gtgttcccca tcggtgtatt ggaggggtcnt cggttcatgt gctgttccgg 480  
 ttttaagctat ggtggatgaa t 501

<210> 16400  
 <211> 494  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-023-Q1-E1-C1  
 <400> 16400

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 gnttccncaa ttgaggaaac atttcccttt ncgtggntct tacnagaccg agaagagagt 120  
 aagatatgtc cggcgcatcg tctgaggata gcagtatttt cgctcgtgt gaagacgtag 180  
 actgtaacaa gaaaatacct gtagagcttg taaggatgca catttgttat gctatgttcc 240  
 ataggactct ggcagctcga ggttttgga cacaactca ggctaagaag aaacctacaa 300  
 acaagaagaa gtcaacaaca tctcttaccg attttgctgt cttcatgaat catttccgta 360  
 aatcttttag aacagattat aatgggtgcat tgggtgaaaga aggttcaaag atcgggttggg 420  
 aaatgtggaa gtctatgact gangatgaga agaaaganta tctcgataaa gctgctgatg 480  
 angaagatga ggat 494

<210> 16401  
 <211> 505  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-023-Q1-E1-C2  
 <400> 16401

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 caaaaggtna atcctncang ntggcaatng tancanttaa ttnaaaccct tggaagaaac 120  
 acngtttanc aggagttgaa gaaatgttgt tatactatac gagaaagatg gaaaagatng 180

atagatgctc tcattctattc ttgaagatac tttctactgt tttgatctca aatcttaggc 240  
atgattcatg gtcagatgct tcattctttc ccttccccca tcccagtggt gtttctgcat 300  
tgctttctcc agattgcgan ggtgacagaa ccgagagaat ctgtgagcgg aagttagacg 360  
gtaacaacga tgtcaggatt ggtttgaaa agatgttgaa tgaatggctc agatttggt 420  
tgaagtgatg aatgttatta ttgtaatcct tttngtcttt tggtctgttt tgtactttct 480  
catgttagca cagacataaa taaac 505

<210> 16402  
<211> 510  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-C4

<400> 16402  
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ccgcnaaang cgtccgcctt aatttcgtct ccgtcagtag cagtctccgc cgggaatatt 120  
ttttttccgg tagctatgct ccgaaccgtc tcttggttag cttcgcgcag ctctcctcn 180  
ctattctttc gcttctttcg tcagttccct cgtctttaca tgtctctcac atcgtcgacg 240  
gcagctctcc gtgtccccag tcgcaatctt cgcgaattt cctctccctc agtcgccggt 300  
agacgtcttt tgctccgacg aggtttgagg attccctccg ccgcagttcg cagtgtcaat 360  
gggcagttct ctgcctctc tggtcgcgcc gtcgccacac aaccgcctcc actttatcct 420  
gatgtaggtc aaagatgang gctgagaagc ttggatttga aaaagtgtcg gaagaantca 480  
tctcagaagt gtaaatcaaa ggngatactc 510

<210> 16403  
<211> 505  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-C5

<400> 16403  
gtngnggaan ctcnntccgg cgacgtaccg gtcaagcggt cccgggnccn cccacgcgtc 60



cgcaaagatt gtttctcaac acacttcaag gaactttatg aagtctaaaa aggcaaacaa 120  
gaagtttgat ttcaaagttt tcacagagac attgcctagt aaactcgaag gtaactcata 180  
catacccggt gagctttatg gtttgactaa agacaagaca gactatggat ggtacacaac 240  
aagcttcaag gttcacaaga atcacttacc taccaagaaa ggagttaaga cttttgtgag 300  
gattgctagt cttggacacg cggtgcacgc ttggcttaac ggagaatacc ttggaagtgg 360  
acatggaagc cacgaagaga agagttttgt tttccaaaaa caggttacac taaaagcagg 420  
agagaatcat cttgtaatgc ttggtgttct cacaggattc ccagacagtg gatcttacat 480  
ggagcataga tacaccggtc ctcgt 505

<210> 16404  
<211> 504  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-C6  
<400> 16404

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gnnacctcaa ccgtcttctg ctctccgcc ccgccacagt ttcttagggt tcttccgcat 120  
tgtttctccg aattgcaatc cctcattct ccacaataaa cagatagcta atataattga 180  
gtttggatac tcgcaagtga aaatatgtcg gtcacagcgg gagtgagtga atctgcaatt 240  
gctgtaaggg agaaactaaa aggtggtatt ggacagacta aagtgcgaag gtattggcca 300  
ggaaaagctc cggagtgggc tgaggaagct gaagaagatg atgatgtag gatgcagaag 360  
gtttctgttt tggatagagc ttttccaaag aatgatgatt tgggtgttgc taggaaggat 420  
gatccaaggc tgcgccgttt agctaagact aaagttgaaa accgtgacga agttagagct 480  
gatnatcggc ggataagaca agct 504

<210> 16405  
<211> 432  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-C8

<400> 16405

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ccaattcttt caacttctcg ttccaatccc ctcaattctc cgtttcaccg aacgcacttc 120

gaacccttaa ttgctttttg cgggtcaagt ttcgattcga gcgttttagg gtttcgtatc 180

tgaatcggtc gacaagataa acccttttgt ggggggttcc tctagatttc gaaaacagag 240

ggatagcttt cgtttggatg gaaattctct gaaactaaac tacatagtga tatggagaca 300

caaattcatc aacttgagca ggaagcatat accgctgttt taagggtttt taaagcgcag 360

tctgatgcga tttcttggga aaaagaaagc ttgataaccg aattgcgtan agaattgaga 420

agtatctgaa ng 432

<210> 16406

<211> 94

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-023-Q1-E1-C9

<400> 16406

tggcgggtgga naggcnccgg attggcatga ttttgtcggg atcatttgtc ttttgggtan 60

aattcagcta tcagttttgt cganaaaatc atgc 94

<210> 16407

<211> 438

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-023-Q1-E1-D12

<400> 16407

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gttggttaggg ggtttgcgat attttaggct tctgtcgggtg atctcgacca aaanaaataa 120

acaaaggagc tagtaggggt ctgttttctc tatcactcgg aaggaagctg gtttatgtca 180

aaactttgtt cttcggaaaa tgcgaaaatc gttcaaggat tcaactcaagg ctcttgaagc 240

tgatatccag ttcgccaaca ctctggcgtc agagtacca gaggagtatg atggtggcta 300

cgttcagatg agattatctt acagcccggc ggcctcatctc tttctcttcc ttcttcagtg 360  
gactgattgt catttcgctg gcgctttggg cttgcttang atccttattt ataangnata 420  
tgttgatggg gaagacca 438

<210> 16408  
<211> 499  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-D2  
<400> 16408

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aggtnatggc aacaagnnat ttnggcnatt tnggggtatt ccncncgttg tcnatggaat 120  
tttaccceaa gttgcctca tacatggagt tagcgtcttt cccaaggcat cggatccatg 180  
gttttggett tacattatct tgtttctcgg tgggtacgcg caagatctat cagacttttt 240  
attagaagga ggaacttatt ggaaatgggtg gaacgatcaa agaatgtgga tgggtgagagg 300  
actctcttct ttcttctttg gttttacaga gttcactctc aaaaccctaa acctctccac 360  
tcaaggatat aatgtcacga gtaaatacaa cgacgataat gaacaaatga agcgggtatga 420  
gcaaganatc ttccaatttt ggggcctctt cgtcaatgtt ccttgcccat tactacgggc 480  
gccatcatga atctgctaa 499

<210> 16409  
<211> 442  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-D3  
<400> 16409

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tcatggggtt catttcttct tcatcaccag tagaagagtc tcattaccat acacanaaga 120  
tcttcttttt ctccaactac atccttctcg gcgctgcttc aagttgtatc ttctctcacac 180  
tctctctccg tctaatacct tccatctgcg gattcctcct catcctcctc cagccacca 240

caatcgccgc cgcagctctca ggctgcgctg ctgcatcttg cggaagaaac cgttgggtacg 300  
ccgctcacat ggttgcaact gtgctcactg ctatattcca aggctctgtc tctgtttctca 360  
tcttcaccaa cacgtctaaa ttccctcgga gtcttaagtc gtatgtgcgt gaggaagatg 420  
ctgctgtgat ttgaaactc cg 442

<210> 16410  
<211> 500  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-D6  
<400> 16410

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cgcgctgttc tcatggattt ggagcctgga accatggaca gtgtcagatc tgggccgtac 180  
ggtcagatct ttcgaccgga taacttcgtc ttcggtcagt ccggtgctgg gaataactgg 240  
gctaaaggtc actacactga aggtgctgag cttattgatt cggtccttga tgttgttcgc 300  
aaagaggctg agaactgtga ctgccttcaa ggatttcagg tgtgccattc cttgggagga 360  
ggaactggtt ctggaatggg aactttgttg atatctaaga tcagggagga gtaccagac 420  
cgtatgatga tgacttcctt gtgttcctac gcctaagggtg tctgacactg ttgtggagcc 480  
ttacaacgca acactatctg 500

<210> 16411  
<211> 431  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-D8  
<400> 16411

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tctcctcact atttctaaag cacttaaccg ccactttacc ggcgccagac acctccatcc 120  
tttattgctc gctcgctgtt ctccctccgt gcgacgtctt ggtgggtttc atggcagtcg 180

atttacttcg tcgaattcag ctttgagaag cttgggagct gctgttttgc cggtaatccg 240  
acaccgttta gagtgtttgt cgagctcatc gccgtctttc aggagtatct caagtggcgg 300  
cggttctgga tttggggggg ataatggtgg aaacggcggt ggtggtggcn gaagatcgga 360  
gantggtgat tccaagtcaa aactgggtgc caatgcaagt gatngtgtcn ctgttncgtc 420  
ntcaaanaac a 431

<210> 16412  
<211> 427  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-D9  
<400> 16412

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accaaatcct ccgaggcctt ctgcgcgtct tccgatcgct ccaacctcaa acaccgaagc 180  
tgaggaggat gaagagaata taaaagcatc tcgccaatth gacagacgta tcgtcggcag 240  
gagacccaaa accgaaacga aagcttcttc tcttgaagtt gcattccaac caagcttgtc 300  
accacttgca ataaggctct ttggtgttcc taaagaagat gacaagccca attctgatgt 360  
taatccgtct tctcctgcta ntantcttcc tgctgtttcg tctgttactg ctgccccaaa 420  
aatgga 427

<210> 16413  
<211> 504  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<400> 16413

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cnaaacctnc gggngnancc nnaccctng caananggna tnaggagaaa cgaataagaa 120  
agtgatcaag aatgtgatta agctcttaac gatggtgatt ttgatgggca ctgtggtgat 180

ttggatcatg atgccaacgt ctacttacia gaagatttgg ttgaaatcca tgcgtgccaa 240  
 gctcggcaaa tgcatttatt ttgggaaacc aggagtaaac cttttgggtt acatgttccc 300  
 aatgattcta ctggcttctc ttggatctat ttaccttcac ttgaagaaac aaacgagagt 360  
 aaaccaatth aatagtagaa tggataggaa gaagatagac aaagtttggg gcattgaaaa 420  
 gaccaatgtt agtgaangcc ggattaagga taatgacagt gaccgangtt angttcctga 480  
 tgangttcat ggctcctcct cctt 504

<210> 16414  
 <211> 508  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-022-Q1-E1-H7

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 cctcaciaaac ccaacaacga aaccatcact ttactctcaa ttcttcatcg gagccataat 180  
 tccaaactac gtatcgtggg attaccctcc ggtctattcg ccgacgcac tccgtcaatg 240  
 gtgggtttct cagtcttca aaagggtatc gagatttggg ctgcctgata catcgtggag 300  
 gtcgaatagc ccgtattatc agccaccggc ggcggttatg gctgtcggag ttgaggaaag 360  
 gaaatggggg aaagaggaga ngagagagta tgcgangaag atgctgaaga ggaaganatt 420  
 ggtgaatgna gtgaatccat anattcctcn ttttagttcc gaantttgcn tttgtntact 480  
 cncttggtan tgggataccnc ntcctgat 508

<210> 16415  
 <211> 148  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-022-Q1-E1-H8

<400> 16415  
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cgtcgattcg atagcgggta acgtagaaac cctaatttca angggtcctt gngtatcgca 120  
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<210> 16416  
<211> 437  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-022-Q1-E1-H9  
  
<400> 16416

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tgaaggagat aggaacctcc aactgggttaa tcttgcagat ttaaaactgg tcagagggat 120  
atatgttggt agagaatcga ggcgcaatcg atctccgata aaancagata tatggcgcaa 180  
gatgtcttac aaagacatgc ccgtagacc gagaagatct tcttctcatt cgacattggt 240  
caaaggatgg tggaacgatc cggagataaa gagaaagaga cgagtggcga aatacaaaact 300  
ctattcagcc gaagggaaga tgaagataac ttgagaaag agttacaaat ggattaagat 360  
ccaatgctcg aagatcattc atggaatata ggtctctcta tctctactct gtttatctgt 420  
ttagaaattt gttttga 437

<210> 16417  
<211> 52  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-A1  
  
<400> 16417

cgttactcct caaaangtgg tgggtggccga aactaccgtg gtggaanacc ct 52

<210> 16418  
<211> 502  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-A10  
  
<400> 16418

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 gtccgaaaaa acacccatgg ctctgttttc tagcgtctca gtttccgcgt ttctcttgat 120  
 cgttgatcgc gttcaatgga ctctggtttg cagtgaatcc acaatcttag cttctcctgc 180  
 tgttttaccg tatatcaatg caccagatat gtcttcattt ttcccttctc cgaccaaaga 240  
 ctggccaata gagacagcga catctcctgt tccagaacca gaagcgctg gtccaagctc 300  
 aggccagctt aatgggaaga tttcaggcag atcaatgcgg ctccatcctg atatttcctt 360  
 ggttctagcc attgttggga tctgtacctt tctatgtttt aatgaaccaa tacttgtag 420  
 gtttctacac tattgatgtt gtaatctttt gtggttcgct tttaanagcc tcattgggtc 480  
 ttcttgaggt cgttttactc ct 502

<210> 16419  
 <211> 407  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-023-Q1-E1-A11

<400> 16419

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 tggagaagag aggaggaaac gggccaagga gttagcagaa atggcgaaaa atgcggtgaa 180  
 agaaggagga tcttcagatc tagaggtaga taggttgatg gaagagctta cgtaggttaa 240  
 actgcaaaaa gagaaggtat aaagaagttg aatgtattgc aagttatgga acaataatgt 300  
 ttttgtaatt ctgatgggtt gagttacaac agtaaaagat tgtatttggt cattcaaatt 360  
 tacaatggat gatcttttag tttgtaaaan aaanaaaaaa agggcg 407

<210> 16420  
 <211> 505  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-023-Q1-E1-A2

<400> 16420



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 aanttaaatt tngcaagtga ttgagaaata cactaagagt actaggtttg cgctcattgg 120  
 aaaccatgtc aataagatca tcccagcttt gcagtcgaga tgtactcgat ttagatttgc 180  
 ccctcttgat ggagttcata tgagtcaacg tcttaaacad gtaatagaag ctgaaaggct 240  
 tgttgtaagt gactgtgggt tggcagctct tgtacggctg agcaatgggg acatgagaaa 300  
 agcattgaac attttgcagg ttctgtaata tttccttttg gttctgtcac ataacttaca 360  
 attgtaaatc taaaaaagat aatacatttc aatcactatg aatggatctg taaaaatttc 420  
 taacggattht attgggtgtg gacagtcaac gcatatggcg tcaaaggaaa ttacagagga 480  
 agagtcaaag caaattacaa gangg 505

<210> 16421  
 <211> 502  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-023-Q1-E1-A3  
 <400> 16421

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 naanangtat ccgccgaaa aaaataacgt cttttttttt tttcttcaa tctctctgtc 120  
 tctctcccca attcccagat tctcattttt gcagagattt taggaggaa acatgattgtt 180  
 gaattgggag agacattggt tcgtgtaaaa tgcgggtgct tggtttgagc tcaagcttat 240  
 gctctggtga ggataaggaa gaagaagaga ttaatggaga aggctctctc acgcctgttt 300  
 atctcaacgt ctatgatcta actcctgtca acaattatct ctattgggtc ggccttggca 360  
 tatttcactc tggcattgag gctcatggtt tcgaatatgg atatggagct catgagtatt 420  
 cgancagtgg ggtaattgag gntnaacctt ngagctgtcc aagtttcanc cttangcgct 480  
 caattttggtt gggaaacaac aa 502

<210> 16422  
 <211> 427  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-A4

<400> 16422

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aacgagacga agactgttgt ccaagttaga acattccaag atttgcttaa ggatgagtat 120
gatgctgatt tatttgacta ctacgcttca tcacaactag tattggcttc tttggatggg 180
actgtgaagg aagtaggggt tcctgcagtg tatacatcgt tagacccttc gacagaccat 240
aagtacttgt tgggtgtcatc acttcacagg ccatattcct tcattgtacc ttgtggtaag 300
atttccaaag aangtggaaa tctggacaac tgatggtaaa tttgttagac aactatgtga 360
cttgccctgg gtgaagatat cccaatgcc tccaataatg tgcgnaang gatgcgttca 420
ataaact 427
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<210> 16423  
<211> 491  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-A5

<400> 16423

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cacactcgat aatgatccat caagcttttag ctctccctcg tcctattctc accagaggat 120
ttgtgtctaa tgggtggcgg atgtttgtcc atcaatgtcg aacaaaaacc cctaggggta 180
cattttgcgc tgctgatgat cagatagcca gttccaagtc gaacaagaca aggaaagtag 240
tggagcatgt gtgtttactc aaagcaaaag agggtttatc tgaggaagta gaaaaagata 300
tgcttgacta tctttacaca actcaatacc aatgagagg cattgttgct atatctgttg 360
gttgatcgg tgatagaaac aatgaatatt tcacgcacgc tctctacatg cgattccaaa 420
agaaggaaga ccttgacaag ttctatgaga accctttctt cttgaaagtt ctcaatgaat 480
atgttacacc a 491
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<210> 16424  
<211> 506  
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-023-Q1-E1-A6

<400> 16424

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cggaaaaccg ccgtgagttg agcatgggat ggaactcaat actcgtgcc tctgcagaga 120

gacgtataac agaagcgggt gcagacgcac ggtgttacca agttttacga gcgaacgagg 180

tcgagtttga gatttgtgtc acagagagaa ccaacattgt ggatatacgg acacgggatt 240

gctcatgccg tcgttggcag atttacggat tgccgtgtgc tcacgcggct gcagcactga 300

tctcgtgtgg tcggaatgtg catctgtttg cagaaccgtg tttcacagt tccagctatc 360

agcagacgta ttgcagatg attggagaga ttctgatag aagcttgtgg aaggatgaag 420

gagaagaggc tggaggagga gttgagagct tgaggatacg aacacaaaaa aacgaaggag 480

acaacaagtt agaccgaaga agaaat 506

<210> 16425

<211> 507

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-023-Q1-E1-A7

<400> 16425

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ccgcnaaacg cgtgggaaaa aaaatatgta ttgtagagag tccttgtcga gtctccagac 120

tttgaacgta gcaaagagtc tcagctcttt gttccctaaa caatcagctc tcatcaaccc 180

gatctccgct ggacgtcgaa acaacctgcc tcgtccaaac ctcagaagac gatgtaaggt 240

caccgcttca cgggctaata ttgaacaaga aggtaacaca gtgaaagaac ccattcagaa 300

tattaaagta aagggatata taacggccca agaagagttt ctggagggca taacttggtc 360

gagaggtctc gatgacattg ctgatatccg cggcagatna ttgctcgtcg agcttattag 420

cgccaagact gaccagcgga ttacggtaga agactacgca caacgtgtat gggccgaagc 480

ccctgatgag aagtacgaat gcgagtt 507

<210> 16426  
 <211> 439  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-023-Q1-E1-A8

<400> 16426

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 taagagcgta ccaccacact gcacaaacca aggctgataa gaagcactat tcaagcatgg 180  
 gacttgacct cgtaaaccga accatccgca acaatttgga agctggagt atcgaaccag 240  
 ctatgagcaa agtgaaaatt atccagtttg caacagaggc agccataacg attctacgaa 300  
 ttgacgacat gatcaaactg gtgaaggatg agagccaagg cgaagaataa gcaaagctca 360  
 gtcctctttt atccgcctta tcatccttag tgtgtgtttt tgtccgcatt ttcagctcct 420  
 ccttaacntc cttttttgcg 439

<210> 16427  
 <211> 502  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-023-Q1-E1-B1

<400> 16427

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 gnatangtag aatctccggt gaagccgaat tcaaacccta acacttttgg ttcacagtt 120  
 cttcttgacg attcagtgtt gttgcgcgtc ttatttctac attttgcttt ctcgatttga 180  
 gaatgtgctg attttagatt agagaagtaa ggggtttata gatcgggaat aaatggagga 240  
 aggtggatat gcgtttgagg ttaacaatgg aagaccaacg gcgagtgagt ttggtacgac 300  
 ggcgaggatt tcgtcaccgt cattgactat gtcacgtctt ttccgtgaag gaagaagaag 360  
 aggtggaagt aagggtttaa cacgacggag gtcaatgaan ccganttttg acgccgataa 420  
 tgagttcant actttactcc aaggctcaaa ttccggttaaa gttgaaccta ataagcntga 480

gaacgaagtc agagatnaag at

502

<210> 16428  
<211> 276  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-023-Q1-E1-B11  
  
<400> 16428

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cagctgccat ggttgtccat ggctatgaca ccaactcttc tatctcctta gaggagatgc 180  
ttgttcaactg tcgcnccgtt gtcgcggag ccaagagacg agtcttgtcg gcgatttgcc 240  
gtttgttact tatgaatcta ncaacgaatc atgnng 276

<210> 16429  
<211> 446  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-022-Q1-E1-H5  
  
<400> 16429

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atttagcaaa gaagtgacta agcatgagga cgcgctgag agcgagtgga agagatggaa 120  
ttggagatct tccggagatt tgttgctaaa cgggtgcgtt tttactccgt ctggtggtgc 180  
agcctcgtct agctatgcaa aggcttcgag ccttggggct aaaccgtctt ctctagttag 240  
accattgacg tctacttctg gtgcactgaa ttgccgtaaa ggttcccgtt gctgattgtg 300  
gcttagtggt cacacttaag tttttacccc attattatat aggaaaaggc aattanagcc 360  
accaattaag ggggattaag tagttagta agactttctt aaacccttga ttactccttt 420  
ttttttggtt gtttanncg gtaaaa 446

<210> 16430  
<211> 440  
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-021-Q1-E1-F1

<400> 16430

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attctgtcac tgtctcttct tcttctccaa tcccaatgtt tgcttgagag aaagagagag 180  
agtcaaacca aaacatgggc gtttgttgcc ctttcttca accctgggat cgagctcgtg 240  
atcaatgtct cctcaacctc ctttgtctct cggatcctgt tcgaagatct tctctacttc 300  
tgaaattggc actagtagct ctccacctcg tctttatcgg ctttctcttc cttttcgatg 360  
ctgaatttat tgagaaaact aaacgagatc aatggnataa ggggtgttaa natcntacgg 420  
tttcngnaa gcttcggaag 440

<210> 16431

<211> 520

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-021-Q1-E1-F5

<400> 16431

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tccataaatc tctcttcac tctctctttc caccaaact cgcgaccc cgaattctcaa 180  
ttccgtgtct gtttttttct ttcacttagc gatggcgatg atagagcaaa ggccgaagac 240  
gaagatcggt tgtactctag gtccagcttc cagatctggt ccgatggctg agaagcttct 300  
tagggctggt atgaacgttg ctggtttcaa tttctctcat ggatctcatg aataccatca 360  
agagactctc gataatcttc atcaagctat gcttaacact gggattctct gtgccgtcat 420  
gctcgacaca agggccaag aaatccgaac cgggttcttg aaagatggga aacaatccag 480  
ctgaacaag gacaagagat nactatttcg actgactatg 520

<210> 16432

<211> 85  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-021-Q1-E1-F6

<400> 16432

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agtagagctg agtgaggata tgana 85

<210> 16433  
<211> 452  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-021-Q1-E1-G1

<400> 16433

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cgtctcggtg tttgagaatc gccgaagacg ccattgtttc tggtgataaa gaacgagcgt 180  
tgaaattcat caatatggcg aaacggctta atccaagtct ctctgttgat gaacttggtg 240  
ctgcttgtga caatctggat tcagtttcga ggaattcttc tgtagcgag aagcttaaaa 300  
ctatggacgg tgatgatgat aagcttgaga ctgggaaaat gaagtatact gaggaaaatg 360  
tggatttggt taggaatatt ataagaaaca atgattanta tgcgattttg gggtttgna 420  
aaagaattgt tcngttgatg agaatanaaa ac 452

<210> 16434  
<211> 509  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-021-Q1-E1-G11

<400> 16434

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aatcgattct cttccccgagc tgatctctca ggtgtcttga atctgaatct gtggctatat 180  
 ttggtgctcg gtggtgagca ggaagggagg gggatattgt cagggtttta atgtacgtca 240  
 gatgaataga gcaactaatg ttactggcag tagaaggagg gggtttattc tcagcgtccg 300  
 cgtctgggta tagtaaggga ttgacccttc ttttctctgg tgataaagac gtagataggc 360  
 ccatgagagt tgtcccgagg aatcactacc aggtggttga ccaagagcct gaggctgacc 420  
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 gttgttttgg tngcgctccg cnggaactt 509

<210> 16435  
 <211> 472  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 16435

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 ggtcaaagtc taaggataaa aaanctggta aagaagctca aaaggcatca ccaaagcctt 180  
 cactttcggg taatgggaat agcagcttgg cagctagtgg ttataatcct cttttaggan 240  
 catttcaagc tcttgattca gtgtcgatag cttctatctc accattacag tatantccgt 300  
 ttcnngngt atanattang gcagatgtaa atggggattg gantcctgat tccantttcg 360  
 aaataaatgg gtacctgggt ccnggtgaag tccagaangt ttccaagggg gggaaaanca 420  
 ancttaatct tgnccccctt aaagccaggg aggggtggntt cccaagggtg cc 472

<210> 16436  
 <211> 522  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-021-Q1-E1-G7  
 <400> 16436

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 ttgagttctt attggtaaatt ctgcagaatg gtgaaatgac aaaatgaatc tgccaattac 180  
 acaacgtaac tagctagcta gtaggaatcg ttaattgtga acttgtaatt tttgttcata 240  
 atcagttaat cgctatgcan aaattgtata attagtgaac aaaaattaaa tttcaccaca 300  
 tcttatgttc ataacatggt tcaaacttaa ttgcatgttt atgtgtgtgt gacttgtaac 360  
 cacatatttt gttcanaatc aatcgtttct tatcttgata tanattgttg ggattcgtaa 420  
 gtcaagattc taaggagaag aatcctattg gttcaagaac gttggatnaa gttgttgccg 480  
 ttgatcangt aacgcattta gtctccantc aacgatctan cg 522

<210> 16437  
 <211> 449  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-021-Q1-E1-H1  
  
 <400> 16437

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 cggtgatttt gtagccaaag ttgctgagct ctatcccaat tacaatgtcc ccaagttacc 180  
 gagagagact caaccggggt tacttcgaga taagaatgca tcaaagaagc tcatanattt 240  
 ggggttaaag ttcattttcca tggaggaaat catcaaggaa ggtgtggaga gtcttaaaag 300  
 caaaggattt atctcttaat acctacctct gtaactctgt ttgattgagc aattaacaca 360  
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 ctggcctatg gtatggtatg aacatccaa 449

<210> 16438  
 <211> 505  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-021-Q1-E1-H12  
  
 <400> 16438

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 taagaaaggg gaagcaaata aattatcgaa gccactggg ttccggagctg atcgggtctct 120  
 atttctctct tcatacatat ctcaagcaga taaagttgat cggatactag aatgggagga 180  
 ggatttagag ttttgcattt ggtgaggcca ttcttggctt ttctgcctga ggttcagagt 240  
 gctgatagga aggttccatt cagagagaag gttatctaca ctgtcatctc tctcttcac 300  
 tttcttgtct gcagtcagct tctctttat ggaatccatt ccaccaccgg tgcggatcca 360  
 ttctattgga tgcgtgtcat tcttgcgtcc aaccgtggaa ctgtcatgga gctcggatt 420  
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<210> 16439  
 <211> 456  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-021-Q1-E1-H3  
 <400> 16439

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 aaacaacaga tggctcgtct tcgtggctgc catgtggata cagtcttgtg ctggcatcgg 180  
 ttatttgttc ggaagcattt ctccggttat caaaagctcc ttaaaactata atcagaanga 240  
 gctttccaga cttggagtcg ccaaaggatt tcggtgatag tgtcggattc aaccgccgg 300  
 actctcccct gaagattctt gcctcctttg gggccgctcc ttcttggttt ggcgccgntt 360  
 caaaaacctc aatccggtta acgatgggt ttgggcttaa ncgtcaccgg tcnanccccg 420  
 attcttcccc caaagggcaa aagtggnntc ccaaaa 456

<210> 16440  
 <211> 514  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-021-Q1-E1-H4

<400> 16440

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gagaaacctc atgtgacagg tgatgtgacc ggtgacacta cagtttctga gaaagagaag  180
tcaagtaagg gagcaaaacg caagagaact cccaagaaaa cttcacctac agctgggagt  240
tcctcctcca aacgatcagc aaagagccaa aaaaagtctg aagaagcaac aaaagttgtc  300
aaaaagagtt tagctcattc tgatgatgaa tctgaagaag agaaagaaga agaagaaaaa  360
caagaggagg agaaggcaga agagaaagaa gagaaaaaag aggaggagaa tgaaaatggc  420
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<210> 16441  
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 <213> Arabidopsis thaliana  
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<400> 16441

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cattgttcag ttcaaagcct tcctcacaag caacggcaaa atcagggtga agtaaatacc  180
agtccacata tgaaggctat ggttccccaa ttagagaaga gcctcctccg ccttattcgt  240
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gttatgaatc agatgatgaa gaacctagga aatctactgg tacaagattt ggaacagcgc  360
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<210> 16442  
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 <212> DNA  
 <213> Arabidopsis thaliana  
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<223> Clone ID: LIB25-021-Q1-E1-H9

<400> 16442

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tcgccatttg agaagagtgt ttctgaagtc tatactcctg cagttttcaa aaagttccag 180  
attgaagttt tgggtgcatg tgcgtgtagt cctagggagg agaaccgaga tgccacatgt 240  
tctactttta gagtgcagga ttttgaaaac aaccaagact tcatggtaac atggaaccaa 300  
acaaaggctg aagtctcttg catctgtcgg ttatttgagt ataaagggtg tctctgcaga 360  
cacactctta atgttcttca gtgttgtcat ctttcttcca tcccctcgca gtacatattg 420  
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<210> 16443

<211> 53

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-022-Q1-E1-A1

<400> 16443

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<210> 16444

<211> 514

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-021-Q1-E1-E8

<400> 16444

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gacaacaagc aatcacttga ttgaaattat tgaagttctc ggaattgagg cagttcgtcg 180  
tgctttgctt gatgaactcc gtgttgtgat atcctttgat ggttcttatg tgaattaccg 240  
tcatcttgcc atcttgtgtg atactatgac ctatcgcggt catctgatgg ctatcactcg 300

acacggtatc aatagaaatg acactgggcc tctgatgaga tgctcttttg aagaaacagt 360  
 tgatattctg ctagatgctg cggcttatgc tgagacagac tgcttacggg gtgttactga 420  
 gaatataatg ttgggtcaac ttgcaccaat tgggacagga gattgtgaat tgtactgaat 480  
 gatganatgc tgaaagaatg caattgaacn tcng 514

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 <212> DNA  
 <213> Arabidopsis thaliana  
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 aagttgatcg aagtgctaata gacgacgagc ttaagaaagc ttatcgcana ctcgccatga 180  
 aatggcatcc tgataagaac cctaacaaca aaaaagaagc cgaagctaaa ttcaagcaga 240  
 tctctgaagc ttacgatgtt ttgagtgatc ctcagaaacg agcaatctac gagcaatacg 300  
 gagaagaagg tttaaaccac gccccacctc ccggcgccgg tgggtggctat cctggaggat 360  
 cagacgccgg agcttctttc cggttcaatc ccagaagcgc tgatgatatc ttctccgagt 420  
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<210> 16446  
 <211> 520  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 16446

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 gtttctacgt ttagcaactc attattttta ggcgccatca agaattggaa agactcctgg 180

taaatggatc aagactttgc ttctcgggaa gaagtcgcct aagtcgaatt cggataaccg 240  
aagccagaaa ctgaaatctg ctaagaaaga agagctgggtg gaatcgggtga cagaagattt 300  
gtcaaaactta acagttgatc ctccgggtgtt ttcattcaca ccagttccag cttctactgc 360  
tcaaaatgtg gtttctccaa tcaatgggtga tgagtcgaag gataatctcg agtcaaggaa 420  
tgacttggga gaagtcgagc ttgaacaagc tgcaattaag gttcaagcta ccttcagagc 480  
tcatcangca cgttnnagcat ttcgaaactcc taaagggtn 520

<210> 16447  
<211> 516  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-021-Q1-E1-C8

<400> 16447  
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tcaaaaactgg attggaggcg gcgtatccat atggccttgg acattgctcg cggtatgaat 180  
tatcttcacc attgtagtcc acccattatc catcgtgatc tgaagtcac aaatctgctg 240  
gtagacaaga actggaccgt taaggtagct gactttggtc tctcgcgtat caagcatgaa 300  
acatacctaa ccagcaagtc tgggaaggga acgcctcaat ggatggcacc agaagttctt 360  
cgaaatgagt ctgctgatga gaaatctgac atttacagct ttgggagtag tattatggga 420  
gcttgccacc gagaagatcc atgggaaact ctcaactcta tgcaggtgat tggagctgtg 480  
gggttcatgg accanangct gggaaatccc aaaang 516

<210> 16448  
<211> 514  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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ccaaaaatgt gagtggggga agatggagag tggatatgga acaacaaca ttgatgctat 120  
gacaaacaac aacagcaaga aatttgtgtg agagtagaga gtcttgcttc agttgangca 180  
aagattggtc cttttttttt cgttttctct ttcctgcttt ttttgtttgt agtttctgat 240  
ctctcaggaa ggctttttat aaatttgccc tcaatttctc cgtccctact actctttttg 300  
atcaatttct acgggaaaaa gcaccaatct ttaaaccggg gcatgtcctt gtaatcgagt 360  
atgttggtga ngtgatgaat ttgtggtgag atctggtgag aagtttcctc ttttttcctc 420  
anattgcggt aaacaaaaan agtttttant aaggaagaaa ttgagattta gattttntcg 480  
cttttgtttg ggtganatgg gtaacntnaa cgcg 514

<210> 16449  
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<212> DNA  
<213> Arabidopsis thaliana  
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ttgagcttgg ggctgcacga gtgaacaatg atacttcaga tgtaaggaa ctcaaagaac 180  
agattgctac tcttaaagca gcactcgca gaaaagaagc agagtcacag cagaacaaca 240  
tcttgaaaac tcttggtggc tctgagaaac acaaagccaa aactggtgaa gtagagattc 300  
ataacaataa catcatgaca aagaaatctg agagttgtga agtggaggag attacagtga 360  
actcaccacc ttggccacca gtagcaagtc caaggacaag cctacagaga ggatgaccga 420  
agtttcgggt ccagcgagtg ggttgacaag gtgatggtga ataacagaca agacgagatg 480  
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<210> 16450  
<211> 509  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<400> 16450

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gaaggagggtt aactgtggcc ggctgaaaa gatcccgaag ttggacaaag cttgcgaagg 180
atcgaaatcg tcttgaaaac atctcaagct aggaaacgtg gaagatgatg agtatcttcg 240
acagtattgt ttgtttcact acgaattcca taaatccgag ggtttcacgg ttgattggga 300
gaaatatgac tacatgttcc atataaggcc gttggaaaat tcaccaccta tcagcgatat 360
acgaaccaat gctgatgtga tccgtgatgt gacactcttt gccattgaga aacacaatga 420
agctcatgga tctaaacttg tgtttgcga gcatgtctca gctaatttca aattttgcca 480
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<210> 16451  
 <211> 443  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 16451

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tgatgcgtca atcgtcttct tctcaggctc agttggcaaa gctcccgaag aatctgttgg 180
cgaaagcttc actgactaag gccactggac aggcgttggc gcagcttcct caagtgattt 240
catctctaga tgctcatata gaaagcggat tgcacagcgg tgttcatcta aacacagtaa 300
cccagttact tgaaaacatg gaaagcacac agcttcgtgc tcttcgacaa tctaataatt 360
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attttcnacc agcaaattgg gat 443

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<210> 16452  
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 <212> DNA  
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<223> unsure at all n locations



<223> Clone ID: LIB25-021-Q1-E1-D6

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ggttccgatg atttctaccc aagagatcct gtttctcaca ccatccacat tgcacgcggt 180  
gcatacaaca gccttttctt tggagagttc atgcaacctg actgggatat gttccatagt 240  
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ggttcagttc ttccgggctaa gctcccggtt angcctaccc gtgactgctt antcgcctgat 420  
tcagctagag atggaatcan cttgctcaag atntggaacn tgaataantt taccgggtaa 480  
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<210> 16453

<211> 516

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-021-Q1-E1-D7

<400> 16453

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acagatctgc aaaatctccg ttcaagctcg ttagcagatt cccagatcat cctgacatcg 180  
ctactctcca tgacaatttt gagcatgctg ttcattgatt tcgagattac aagtatttag 240  
gaactcgtgt tcgtgtcgac ggaactgttg gagactacaa atggatgaca tatggagaag 300  
ctggtacagc aagaactgct ttaggttctg gtttgggtca tcacggaatc cccatgggat 360  
cttctgttgg aatttacttc atcaatcgcc cagagtggct cattgttgat catgcttggt 420  
cttcttattc ttatgtgtct gttcctttgt atgatactct tggctcctgat gctgtgaaat 480  
ttantgtcaa tcatgcaact gtgcaagcca tatttt 516

<210> 16454

<211> 113

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-021-Q1-E1-D8  
  
 <400> 16454  
  
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<210> 16455  
 <211> 455  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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<210> 16456  
 <211> 512  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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gagttctatt tcagtgatag taatctaccc attgatgatt tcctcaagaa gactggtaca 180  
gngagcgaag atggcttggt gagtttggcg ttgatttgct cctttagtaa gatgagagga 240  
tatttgaagt tgggtgattc taaaggagat gatattcctg aagataccac caaagctgtt 300  
gctgatactc ttccaacetc ttctgctctc aagatttctg acgatgggaa aaaggttggt 360  
aagagtactg aattgttgaa gctggaagat ttgattgagc aacttaatgc tagaacagta 420  
gctgcgtcac ctttctccta tgatgttaaa anggaagacg tggaatcctt ttcagtcagt 480  
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<210> 16457  
<211> 509  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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ggttttgatt gtgctttgga tcttggttaat cacattcgta gcaagtatgg tgattacttt 300  
ggtatcactg tcgctgggta tcctgaggcg catcctgatg ttattggtga gaatgggtctt 360  
gcgtctaattg aagcttatca gagtgatctt gagtatctga agaaaaagat tgatgctgga 420  
gctgatctga ttgttactca gcttttctat gatactgata tttcctcaa gtttgtgaat 480  
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<210> 16458  
<211> 516  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<210> 16459  
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 <212> DNA  
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 <223> unsure at all n locations  
 <223> Clone ID: LIB25-021-Q1-E1-A8  
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 gcgattttca ctgccataag tcaataactct cttggtgctc tcaactcagac tttctccggc 180  
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<210> 16460  
 <211> 515  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations

<223> Clone ID: LIB25-021-Q1-E1-B1

<400> 16460

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ttggaagtga tttggtggaa ctcatggtga ttggtttctt cctaggggta ttagagattg 240  
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aatctgggtt agatttttat tttgagatct tttgttatat aggttgcaag ttctgtattt 360  
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<210> 16461

<211> 513

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-021-Q1-E1-B11

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gacaacaaaa aatgataatg agaagaagtc taagtctgag aagcatcacg atgatgatat 180  
taatggctgt tttggtctgg tcagtgaact tagagacctg cattgccaga agaggaagac 240  
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cgaagagcca tgggaacagt caccaccaca gttctcaca caacaaccat caccacaagt 360  
ctaaacctaa accgaaacca aagctgaaaa cgccgcaaaa agctcacgac aataactctc 420  
cggtggtttc agggccacca aaagtccaac caccgcctct tccgcctcaa aagggatctc 480  
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<210> 16462

<211> 511

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 gttacgcttt cttaaagcca gggatgggaa tgtccagaaa gtcataaaa tgttgctcga 360  
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 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 gaaggaaggt ctcttcgaga gacgccgact tactctgttg ctccggttgt tactgttttg 180  
 gtctttgttt gctttctcgt tgaacgcgcc atttacagat ttggaaagtg gttaaagaag 240  
 actagaagaa aggcactttt tacttcactt gagaaaatga aagaggagtt gatgttgctg 300  
 ggacttatat cacttctgtt gtcacaaagc gcgagatgga tttcagaaat ctgtgttaac 360  
 tcttcccttt tcaatagtaa attctacatt tgctctgaag aggactatgg aatccataag 420  
 aaagttcttc tggaacacac ctcttctaca aaccagagct cccttanctc atcatggaat 480  
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<210> 16464  
 <211> 518  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-021-Q1-E1-B4

<400> 16464

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 gcnaattccc acaaaagaga ggtacaacaa gactcgtcgc tcttcgcttt ttcttctctc 120  
 tttctttctc ttgccagtag tgtgatctta cgaagctttt agtagagaaa aagcatatac 180  
 gcttngtctt tcttaatcga ctgataagtc cttaggatca gatggaacaa atgggtggct 240  
 actcaaaaca acaaggtcca tttttagttt gattaaggga tttggatctg agcttacttc 300  
 atcaactttg tcggaatata catttgcttt gtgtggattt ggaagttgtc cctgaatggc 360  
 gtccgaggat ttgaatattg ttgcggaatc aaagaaaggg gaagagaatg ttattgttga 420  
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<210> 16465  
 <211> 525  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-021-Q1-E1-B6

<400> 16465

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 gcttgggtac gaatgacctc atcagccaag tccatgacca agtcaaccgt gacttcaaag 180  
 gagcttggat tcttcacctc ccagctcagc ggcttaagaa tctcatatac tcccagtgac 240  
 gtcatcaacc gtatctccct tcttcgttc cccgggattc agccaatcgt cgcacgtaga 300  
 atctgccctt ttactgggaa gaaagcaaac agagcaaaca aagtttcatt ctctaaccac 360  
 aagaccaaga agttgcaatt cgtcaactta caatacaaga gagtttgggtg ggaagctggc 420

aaacgttttg tcaaacttcg tttatcaact aangctttga agaccattga gaagaacggg 480  
actcgacgct gttgcccaag aaanccggca ttgattttcg ccaag 525

<210> 16466  
<211> 517  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-021-Q1-E1-B7

<400> 16466  
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cacgcgtccg cattttctcca aaatctccga gttctacaat tgtgtgatca atcaatcttc 120  
tccgatttca agctttctga tcaaaagaat catcatggga ggaggaagag ctatggcgac 180  
ggcggcgaag gttgctggaa tcggagttgg taaaggagga ttcaagggat ttggatttcc 240  
tccggcgact gagcagtttc gtgttaaaac cgcggcgggt gcggcgctcg ctaaaccggt 300  
ttcggttcg attacatcgg cggttcatcc ttctgttgaa gaagatggga tgattatgca 360  
gagaccggtt tgggatgatt gggaatttgc tgaagaagaa ccgattccta gggttgtttt 420  
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taanttgtg tatatgtcat ctcaaaantg tctgcgg 517

<210> 16467  
<211> 457  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-021-Q1-E1-C1

<400> 16467  
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tacgggtctcg gcatccgttc cagggctcat cgaactcgtc gattcgaaaa ccatctttgg 120  
gaacgtagcc gaactcttag agaaagagaa actttccatc aactacgcca actgcagaag 180  
ctggcacctt ggtgttgaga cctctaacat catagacttc gacacggtgc ccgcaaattg 240  
caaagactat gttgaagact acttgatcac ttccaaacag taccaatagc actccaaaac 300



cgtgtgcaaa gaggcttatt tctatgccaa aggacttgcc ctaaagaacg acaccgtcaa 360  
 tgtttggatc tttgacctag atgataccct cctctctagt attccctact acgcaaaata 420  
 tggatacggg acagaagaag aacgacccgg ggggngg 457

<210> 16468  
 <211> 505  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-021-Q1-E1-C10  
 <400> 16468

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 tcaactcttc ttctctctct ctctctctct cgcctgttc tccattgatc taatctaact 120  
 cgctcatcag aatcatctct tcatcgttaa tcctcttcct tctcactcag natgtatcgt 180  
 ttcgcttcta acctcgctc caaggcaagg attgctcaaa acgctcgcca gggttccagc 240  
 agaatgagct ggagcaggaa ctatgcagcg aaagagatta agtttggtgt tgaagctcga 300  
 gctttgatgc ttaaggtgt tgaagatctt gctgatgctg ttaaagtcac catgggtccc 360  
 aagggacgta atgttgtgat tgagcaaagt tggggtgctc ctaaagtgc aaaagatgg 420  
 gttactgttg ccaaaagtat tgagttcaaa nacaanatta agaacgttgg tgctagtcnt 480  
 gtgaacaagg ttcaaatgcn actaa 505

<210> 16469  
 <211> 502  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-021-Q1-E1-C11  
 <400> 16469

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 cgtccggttt ttgattctcg gatctactcc aagacgggtt tcgaaattaa caagcttttc 120  
 aggaaatgga tcattcatca aatagatttg gcaataatgg agtggaatcg attttaccga 180  
 attacaagct tggtaaaact cttggaattg ggtcttttgg gaaggtgaaa atagcagagc 240

atgttgtcac agggcataag gttgctatca aaatccttaa tcgtcgtaag atcaagaaca 300  
 tggagatgga agagaaagtg aggagggaga ttaagattct acggttggtt atgcatectc 360  
 atattattcg gcagtatgag gtaatagaga ccacgagtga catttatgtt gtgatggagt 420  
 atgtcaagtc tggagagctc tttgattata ttgttgagaa aggcagatta caagaagatg 480  
 angctcgtaac ttttccanca nt 502

<210> 16470  
 <211> 444  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-021-Q1-E1-C12

<400> 16470  
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 gagagactgg accagaggat gtgaacataa gaatcatttg ctgtggaatc tgccacaccg 180  
 atnttcatca aactaaaaat gatcttggca tgtctaatta ccccatgggt cctgggcatg 240  
 aagtggtag ggaagtattg gaggtgggat tngatgtgag caagttcacc gtatgggaca 300  
 tagttggagt tggttgccnc cttggatgtt nccgaggttg ttccccnccg agagagatnt 360  
 ggaacanttt tgccnaaga anatttggag ctacaatgat gtttacatca atgggtcaacc 420  
 tacacaangg ggggnttcct aaaa 444

<210> 16471  
 <211> 519  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-021-Q1-E1-A7

<400> 16471  
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 ccacgcgtcc ggatgcttct gggacatctg agtttgtgga gaaaggaaca gataatgtag 120  
 tcttttagcac atgtgatgaa gaaaaaagta ggggtgtttt tcagatggga acttctgatg 180

ctgttagggc tctaaaggct tctgagattg tgtgtaatga cgttgcaact attgatatta 240  
 atatggggtg ccccaaggca ttctctatcc aagggtggaat ggggtgctgct ttgttaagta 300  
 aacccgagct aattcatgat attttggcaa cacttaagag gaacttagac gtaccgggta 360  
 cttgcaagat tcgtctatta aaatcaccag cagatactgt tgaattggct aggagaatcg 420  
 agaaacttgg tgtaccagct cttgctgtac atgggaggaa aattgcagac aggccaagag 480  
 atcctgctaa atgggatnag attgcagatg tngtngcng 519

<210> 16472  
 <211> 414  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-019-Q1-E1-H6  
 <400> 16472

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 agcaattatg caagctgctc aggaagtacc tgaggggaaag ctcaatgatc atttccccct 120  
 tgttgtctgg caaactggta gtgggactca gagtaatatg aatgctaata aggtcattgc 180  
 taatagagca gctgagattc ttgggtcgcaa acgtgggtgag aaatgtgtgc acccaaata 240  
 ccattgtgaac agatcacaat cttctaacga cacttttccct accgtcatgc acattgcagc 300  
 tgcaaccgan attaattcga ngctcatccc taantttaaa aactttgcat agcactttgg 360  
 gaatctangt ctttcgagtt caaagatatt gtganaattg ggaagaacca cact 414

<210> 16473  
 <211> 508  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-019-Q1-E1-H7  
 <400> 16473

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 acgcgtcaga ncgatactca aagctcgtaa tctccttcta ctctccagat ccgaggattc 120  
 tcttcgttta cagatttgta aacgttcgtg aaattggatt tgttgatctc tttggtaaac 180

aagcatggct gctccagtgc ctccaggagc atatagacct aataacaatc agcaaaaactc 240  
 tgggtggctcct ccgaattttg ttcttggttc acaaggaaac cccaattctt tagctgctaa 300  
 tatgcagaat ttgaacatta atcgggccacc tcctcctatg cctgggttcag gtcctagacc 360  
 atctccacct ttggtcagt caccacaatc ttttcctcaa caacaacaac aacaaccaag 420  
 gcctttctcca atggctagac ctggacctcc tcctcctgct gctatggcta gaccagggtg 480  
 acctcctcag gtatcgcaac ctggtggg 508

<210> 16474  
 <211> 439  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-020-Q1-E1-A1

<400> 16474

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 ctttcaactg attcttgtaa atcaacttct ttgtcttctt ctagatcttt gggtacagat 120  
 cttccatcac catgtctgaa accaacaac aattccatt caaacagaag agcaaaagtg 180  
 tgtgcttcac ttgcagagaa ggggaatat tattcaaaca gaccaccaac tccattactt 240  
 gacactatta actaccaat ccacatgaaa aatctttctg tcaagggaact gaaacaactt 300  
 tctgatgagc tgagatcaga cgtgatcttt aaatgtgtcg aaaaccggtg gacatttggg 360  
 gtcaagtctt ggtgttgtgg agcttactgt ggctcctcaa tacattttca atactccaca 420  
 aagacaagat tcnttggga 439

<210> 16475  
 <211> 416  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-A10

<400> 16475

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cggcgacgag cttaaatcgg agaacgatga agcagcttca caagcaaag agctcgaagc 180  
gtgatgaaga aaccattccc atgagccaat ccagtcctta ctctcccaaa actttaaaagc 240  
atcccagatc tcttcccaga tcgcttcaat atctctttcg tgaacaacga ctctctctta 300  
tcctcgtcgg gatcttgatc ggattcaatt tcttcattct ccagccttct ctctctcggt 360  
taagcgccgc tgaatccaac tcgttaaaca caagtttggg tcctaaggcg tcacga 416

<210> 16476  
<211> 508  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-020-Q1-E1-A11  
<400> 16476

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atccggagaa aggcgatgac atcgcttga tcgaagaaag ttgttaccac cgacgacgga 180  
tcggagaaga aagtttccgg caatctcgga aaagtaagtt tttccggaga tcttaatcat 240  
agtgaagcc atagtgaag ccatagtcgt agcagcagca gcgccggagg tggatgaagga 300  
ggaacgtttg agtatttcgg atgggtttat catttggtg tgaataagat cggatcatgat 360  
tactgtaatc ttcgtttcct tttcattaga ggcaatatgt tgagatgtat aaaagagatt 420  
ctcatgagaa acccagacat taaancctat aagggtggng tcaaagggcc cacaatggng 480  
gattgaaaac ctagncctc naaaaatt 508

<210> 16477  
<211> 87  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-020-Q1-E1-A12  
<400> 16477

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ataggggact catntctagc acaccna 87

<210> 16478  
 <211> 105  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-020-Q1-E1-A4

<400> 16478

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 acaaataccg accanncggt tacaagacga ttcaagcgta ncntg 105

<210> 16479  
 <211> 406  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-A5

<400> 16479

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 agaagaagaa cttggaacat tcccacagtt cttaatctac gctcttcttg aatggatcct 180  
 catcattatc ctcttcatcg atggcttcct cgctttcttc tctaaccaaa tcgctaaatt 240  
 ctttgacctc aaaatccctt gtcttctctg cactagactc gaccatgttc ttgtcagcag 300  
 aaacctgat ttctattaca acgactcgat atgcgatgct cacaagaaga atgtctcatc 360  
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<210> 16480  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-020-Q1-E1-A6

<400> 16480

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aaagctgagc tcgctctcct ccgtgtcgct aaagtcaccg gaggtgctcc aaacaagctc 180  
 tctaaaatca aggtcgtgcg taaatccata gtcagggtt tgacagtgtc ttctcagaag 240  
 cagaagtctg ctctaagaga agcatacaag aacaagaagt tgcttcctct tgatctccgt 300  
 cccaagaaga ccggtgctat tcgtagacgc ctcaccaaac accaagctc gttgaagaca 360  
 gagcgtgaga agaagaagga gatgtnattc ccaataaggg aatacgctat caaagtttaa 420  
 gttttagctg cc 432

<210> 16481  
 <211> 438  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-A8

<400> 16481  
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 attcaccgcc cgatgatctc caccggagga atcgctgttt cccccgtag agttttcaaa 180  
 gtccgagcca cagatacggg agagatagga tcagctctat tggcggcgga ggaagcaatt 240  
 gaagacgtgg aagagacgga ggggctaaag agatcgctcg tggattcgtt gtacggaaca 300  
 gatcgagggt taagcgcctc gagcgaaacc agagctgaaa tcggagatct aatcacacag 360  
 ctcgagtcta agaacctact ccagctccga cggaagctct ttctcttctc aacggcaaat 420  
 gggttctcgc ctacacaa 438

<210> 16482  
 <211> 507  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-020-Q1-E1-A9

<400> 16482  
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 agcacatatt ttaagatcca gaatcgctg agagatgtct accttcagtg gcgatgagac 180

cgctcctttc ttcggcttcc ttggcgctgc cgctgcgctc gtcttctcat gtatgggagc 240  
 tgcgtacggg acagcaaaga gtggtgtggg agtggcatct atgggtgtga tgaggccgga 300  
 gttggtgatg aagtctattg tcccagttgt tatggctggg gtgttgggta tctatggttt 360  
 gattattgct gttatcatca gtaccgggat taacccaag gctaaatcct actacctctt 420  
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 gggaatggca ataagtatcc ttgggga 507

<210> 16483  
 <211> 427  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 16483

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 tgttaagttc tggaacagtt tgcttatcga tgtactctct tgtecgctgga attttcggga 180  
 tgaacattcc atacacatgg aacgacgggc atggatacat gttcaaatac gtggtgggct 240  
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 gacttggtgg atcttgatgg ctgaatttgg gttagatgga gagattgtga aggggcattg 360  
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 caattaa 427

<210> 16484  
 <211> 439  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-020-Q1-E1-B12  
 <400> 16484

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ctcccaccgt tcttccctc aatccacggc cacgttacag cccaaactcg accgcttcc 180  
 ccgtctccat cccaaagccc tagccccgc catgggtgac gattccagca agcgccccaa 240  
 tcccaaaacc caaatccacg tcgcggtga tgattccaac aagcgtcaca agctctcatc 300  
 atccagccac cgccaacacc agccattgtc ggagcgtatg cgtcctcgca ctctagatga 360  
 cgttgtaggt caagaccatc tctctctcc caagctctct cctccgttcc gccgtcnatc 420  
 caatcgctc ccttncaat 439

<210> 16485  
 <211> 434  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-020-Q1-E1-B3  
 <400> 16485

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 atgaatcggg ttactactga aagcattgcg tctacggcga tactgggtgt gatggtgttt 180  
 ctcttctcgt ggagatctat cgaggcggcg aatgtatcct acgaccaccg ttctctcacc 240  
 atcggcaatc gccgtcagct cattatctcc gccgccattc actatcccag aagcgctcct 300  
 gctatgtggc catctcttgt tcaaacagca aaagaaggag gctgcaacgt aatcgagtcc 360  
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 atatantgaa gttt 434

<210> 16486  
 <211> 516  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-020-Q1-E1-B8  
 <400> 16486

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tcaatttcga tatgttatcg ttaatcatca gaaggtctcg aagcagattc atcatccatg 180  
 gaatcaaaat ttcttgtaac tctctgtcgg ctgtagattc aagttcttca gttttggttt 240  
 ctagaagaac cttcagttca acacctgctg taagctatct tggattcaat tatggaaaaa 300  
 tctctaattt gaatcaagag atttggtaat tacgcttatt ctgggagtag ttctgcttcc 360  
 agtactcgat cattgagctc aaaagctgta gctgtggcan cgacttgatg aggacttact 420  
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<210> 16487  
 <211> 437  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-019-Q1-E1-H4  
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 aaaatcgaag acgccgttaa tgccgccgta agggctaaaa cctcagatcc cgttctcttc 180  
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 ttctgtgctt ctgttcccag tgggtgattcn tctggaacgt atgaagctat tgagctacgt 360  
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 ggatcattcg ctccaccgcc gtgggtggcc ggagctctat cattcctgcc gccgctaacc 180  
 ggtcatatcc tattatattc cggaatggag ttgatttggg ggcgagattc ttctgtgaga 240  
 aactgcgtc tggccagaat ttcgatattg atctctctaa cgaagagaat aagagaagaa 300  
 cgatcaacag attgttgat aggagcaagc aaagagggtt tttggaactt gatcttggtt 360  
 tggggaattg ggttgaggag aatgttaatt ccatggacga aaatggtgtt aaatccctaa 420  
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 atcgccgcta caaacgtttc ttcttcaacc tcgttcagag attatcctcc cttcttttct 180  
 catcttacia ggaagttggg cagttaaagc tgctgggac accagttttg tcaaaagtgg 240  
 agtgtgaaga atcttttatg tctgaacagg cttctctctt tcaatcatct atccggcttt 300  
 taggagagta ctgtcctata tctaggaaaa agtccactca taaagttggt ggtttgcgtt 360  
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<210> 16490  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-019-Q1-E1-F6  
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tggctcttct gtgaacaaat ccaataatct ctcatcttcc tcatccacat ccggatttgc 180  
gtcaccacta gctgtagaga aggaattacg ctcttcattc gtacagacgg ctgctgttcg 240  
ccatgttacg gggctcttta tcagaggcga aggtcttaga ttcgccatcg tggtagctcg 300  
tttcaatgag gttgtgacta agttgctttt ggaaggagcg attgagactt tcaagaagta 360  
ttcagtcaga gaagaangac attgaagtta tttgggttcc tggcaanctt tgaaattggg 420  
gttgttgc 428

<210> 16491  
<211> 436  
<212> DNA  
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<223> unsure at all n locations  
<223> Clone ID: LIB25-019-Q1-E1-F7  
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ttgcaaaggg cagtgtccat ttggaaggaa agtaacagac tgactccagc tttgagatca 180  
ttcagcactc aagctgcac cacttccacc actccacagc ctctccacc tcctccgcct 240  
ccggaaaaga ctcatctcgg tggctcaag gatgaagatc ggatttttac taatctctat 300  
ggctctgcacg acccatttct caaaggcgcg atgaagagaa gtgattggat angaccaaag 360  
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ggacgtggtg gtgctg 436

<210> 16492  
<211> 429  
<212> DNA  
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<223> unsure at all n locations  
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<400> 16492

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 ggtaagagca gcgatcttta tggctctaagt ctctcaagtc ggaaatcgtc ttcgactgta 180  
 gcggcggtc agaagacgga aggggagata ttgagttcga cccctgtcaa aagcttcacc 240  
 tttaacgaac tcaaactcgc cacaagaaac ttcagaccag atagtgtgat cggagaaggt 300  
 ggcttttggtt gtgtctttaa aggctgggta gatgagtcna ctctcactcc gactaaacct 360  
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 <211> 522  
 <212> DNA  
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 <223> unsure at all n locations  
 <223> Clone ID: LIB25-019-Q1-E1-G1  
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 gggcccttcc caacaggata atcttccacg tgatggcggt gcctcaaaac agaagcgctt 180  
 ggggttataag cagaagcaaa atattatatt tgagaaaaaa ccgacaggga gctctgttgc 240  
 tactgcagag gtgtttgatg ttgtcccgtc tcttgaggtt gttaatgaag gtgtctcaag 300  
 caataactca gacatgccag cgacgtcaac cgtttcagct gagtcaactt tcccgaaaag 360  
 aaaaaataac aggaatggta agaaaaaaca caangctgaa gagacagcaa ctatgaatac 420  
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<210> 16494  
 <211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB25-019-Q1-E1-G10

<400> 16494

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ggggcaacgc taatgccgaa cggttcgagc agcgtcgccg gagccaagaa gaactcgagg 180

ctgagatccg tggggaccgc cgattcgacg ccgtactaa aatcgccat acccatgatt 240

ccgaagcagc agctgctgag cctaaaacgt caccgtttag atcaagaggc actccttcac 300

ttccctctgc tcgttcgatt ccgggtcgaa gatccaaata ctccaaaccc gattcaggac 360

ccaatagacc caagaacaaa cctagagtac ccgattcgcc gccgcaacta gacgc 415

<210> 16495

<211> 71

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-019-Q1-E1-G12

<400> 16495

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<210> 16496

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 16496

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aagcaagaat caacttctaa ttcttgcag gctatgaatg aagtggaggt gttttccatt 180

caaaacgaaa gagaactcta tcccgtagga tggattcata ctcatccttc tcagggttgt 240

ttcatgtcat ctgtagatct gcatacacat tattcgtatc aggtaatggt gccagaggct 300

tttgcaatcg tcgtagctcc aactgatagc tctaagagtt acgggatatt taagctaacg 360

gaccctggag gaatggaggt actgagaagc tgctcaagag actggattcc acccgacaaa 420  
aagaancaag aagatnggaa 440

<210> 16497  
<211> 434  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB25-019-Q1-E1-G5  
  
<400> 16497

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aatcgtattc ctgagattgt ctctgcaaca ctctctggct tgtacgttac ctctctctct 180  
cgatcttgat cttgatctcg aatgataatt ctctctgttt tttagatcta aggtttaatg 240  
ccgatttttg gttgttttca gtaagagatt taggcttaaa ggacgtttgt atccatgtat 300  
tatcccctct gagaatggag aagttcatgg aaaggacta atgggattga ctaatgatga 360  
acttgagaat gtagattggg ttgaaggaaa cgaatatgaa agagtgtttg ttgaagttgt 420  
aagaaaagac aatt 434

<210> 16498  
<211> 240  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<400> 16498

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ttgtgttagt gtccacgtat aatgatggct tgtgtatcca aactacagct tctgatgctt 180  
aacagttaca tgtttatgct taaaaaaaaa aaaataaana annanaanan aaananaana 240

<210> 16499  
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<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-G9

<400> 16499

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cttagggaag tcaggaggag gaggagttat cagaagttca ctatgtaact taatgatgcc 180  
aagcaaagtt aacttcccta gacaaagaac tcaaactcta aagggttagcc agaagaaact 240  
caagagagct actagtgggtg gtcttggtgt tacatgcagt ggtggtgata agattctcgt 300  
agcgaatcga ggtgaaattg cagttcgtgt tatcagaact gtcctgaaa tggggattcc 360  
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<210> 16500

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-H1

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aattacgcta ttggaaagga cgtgcaggcc atgaaagccg tggttggaga agaagctctt 180  
tcttccgagg atctgctata tcttgagttc ttggataagt tcgagaggaa gtttgtggct 240  
caggagactt atgatacccg aaacatcttc cagtcactcg acctggcatg gactctcttc 300  
agaatcttcc cccgtgagtt acttcaccgt ataccgcga aaacccttga tcagttttac 360  
agtcgcgata ccaccaactg aagaacataa gtttctactg ccttggtgtg atgatatgtc 420  
caaat 425

<210> 16501

<211> 302

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-019-Q1-E1-H12



<400> 16501

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gcttatccta ngtgactcag ggcggaccgg tcccaaccct ctgctgcaac ggtctcacia 180

cactcaagag tcaggctcaa acttctgtgg accgtcaggg ggtctgtcgt tgcatacaat 240

ctgctattgg nggactcact ctctctccta tnnncatcna anagtgcctt ggaattgcct 300

tc 302

<210> 16502

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-019-Q1-E1-H2

<400> 16502

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gaatctgcga gctctttttg gtaggaaatt agggttcgtg ttgcttggta aatatagaat 180

caatgacgga ggttgttctg catatatacg atgtgacgaa cagtggatcg gagaagacta 240

acaacaccat tggtcagatc aataggttct tcaaagacgg gatcgggtctt ggcggtatat 300

tccacagcgc tattcaggta tatggaaacg atgaatggtc ttacgggtat tgtgaactan 360

gaactgggtg tattcagctg ccccgagtgg aaagaatcca atgtacacat accgtgagaa 420

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 cttcctcacg ccatggaatc agtgactgga agggctttaa aagactcgat acagattgta 240  
 agcagttttc cagatatgga gaaggcttat tctaagctca agactcttaa gttatgangt 300  
 ggttggtgat gtggtacctg aactaaaatg gaatcctgag gatgggtata aaaatatgaa 360  
 agncnttgta gaactangcg atgagatana tgcaaaaaaa gcttggtgaaa agacaact 418

<210> 16504  
 <211> 372  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 caatctccat gaaggaccg accattgctt antcctaaac aaaactccaa aaatctaatt 180  
 cttttcgatc tgttttatct tcaaataata anactcnttg attgctaaaa ccgattttga 240  
 tcatcatcat gcactgtttt ccgtgtttct cttcgccaaa naacaagana tcttcancta 300  
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 acanaggaga ta 372

<210> 16505  
 <211> 433  
 <212> DNA  
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 <223> Clone ID: LIB25-019-Q1-E1-D10  
 <400> 16505

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 aacatggtcg gtttagaaaa ggcaacacag agatcaaagt cgagcaggtt cccgtgggat 180  
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ctagcttccg gtctattctg tgaacatca aaacgcagaa aaagctggag tcctttcaag 300  
 ttaaccaaga aacaatcccc aagaacatcg acttgaccaa aagaagacat caacaaggat 360  
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 agataagaac gaa 433

<210> 16506  
 <211> 367  
 <212> DNA  
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 atggtttatg attattgtac tgaccggtct atgtttcctg tcccaccanc cnantgtcnt 180  
 gcttgaaaat aattgcatac gtacgttgca atgatcatgt ttcgtcttgt acgagatttt 240  
 atatataaat tgtgggaaaa tgtggattgt attgtcctct tacgcaantg tgcanacgta 300  
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 <212> DNA  
 <213> Arabidopsis thaliana  
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 ataccaagtc tagttgaaga naagtggatg agaattgaga actattgtct ccacagatgt 180  
 tgcgctttgc ttttctgtct ttcaaaaagca ttatatgctg tttgtgtac ttaattctac 240  
 aggctttagg gaagtgattc ttgacatttt tgtatgttta tgttttgggc aaagggttttt 300

taaatcgaag caaagccaac agttgccaaa cagacaaaaa aaaaaaaggg cgg 353

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<212> DNA  
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<223> unsure at all n locations  
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gctgaaatct atggaattga agacgaaaag gacacaccgt ttcattcattt acaagattga 240  
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ccttgctgca agtcttccag ctgatgaatg ccgctatgcc attttcgatt ttgattttgt 360  
cagttctgag ggtgtcccaa ggagcangat ttttttcgtg gcattggtctc cggacacagc 420  
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<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB25-019-Q1-E1-D4  
  
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agatctggaa actcatagac tcaaagcaag acaaagattg ctacatttta gactaccaat 180  
gtcataaacc aaccgacgat cgaatggtga gcactcaatt cagtggagag atcattttatc 240  
gaaacaaaaa ccttggttta accgaatata agttccttct caaagccata gtaagctcag 300  
ggattggaga acaaacctac gctccaagac ttgtctttga aggtcgagaa gagcgtcctt 360

cgttacaaga tgggatctcc gagatggaag agttctacgt ggacaagcat cggaaaactc 420  
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<210> 16510  
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 gattgacgaa ttcacgaag aagagttgcc accattaatc tgatcagcca aaaaaaagg 360  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-019-Q1-E1-E12  
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<210> 16512  
 <211> 442  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-019-Q1-E1-E2

<400> 16512

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gtaatgtgtt cgtacaacca agtcaatgga aagcccacat gtgctgatga aaatctctta 180

aagaacacta ttcgtgggtca atggcgtctc aatgggtaca ttgtctcaga ttgtgactct 240

gttgatgttt tcttcaacca acaacattac actagcactc cggaagaagc cgccgccaga 300

tccattaaag ccggttttga cttggactgc gggccgtttt tggcgatttt cacggaangt 360

gcagtgaaag aaaaggattg ttaacgggag aatgacatca atttagcact tgctaataca 420

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<210> 16513

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-E4

<400> 16513

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atgttttcagc ctttttgaac tgtaatctct gtagaggatc cgcgaaatcc tcagacggga 180

gagagccgtg gaagcgggta cgtgacaatg ggttctataa actctgccaa aatcgccatt 240

gcttctcttg atggaacaga agtaggtggt cgggaaatgc gggtaggta ctctgttgac 300

atgaatccag gaacaagaag aaaccctgaa gtcttgaact caactccaaa gaagattctg 360

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<210> 16514

<211> 430

<212> DNA

<213> Arabidopsis thaliana

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ctttgtatgt caagcgttat gagattgtga atggcactac tgaagttgaa ctggctccag 360  
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 caacctgggg tggtaagtgg gagctcttct tggaaaactc ggggtgtgtca gggatgcatg 360  
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 tantctcaga ctttacgcta gagcaatcat ttcgatttga tctccgatgc ttttttttgt 240  
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 gatatcgaat gtatcaattg tttctgcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa angggnggcc 420  
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tcaactggacc tccaggtttc gttcaccaag tctctcctaa agtcgacaat gtcgtgatcc 300  
tcgatcacca taaaaccgct attgatagct taggtgatgt ctctttgact tgcaagaacg 360  
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gaatgtcttc ctggaaaaaa cttccatctc cagcactgan aactgtgaaa gaagcgccag 240  
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gtagggatga tgccgctgtt gctattctca actttctctc agcaaaagat tctcatgaac 360  
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cgg 423

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 tgcacgtag caacagaaga actctatcga taaactgcgt aaacagtggc ggtgatgaag 180  
 agaagattac tcagccgttg gatggagtgg agataagatt caaaagagga tccagaagga 240  
 aatgagggga agaggggttca ggagaaggag gaggacaaag cggaagaaa aaagagactg 300  
 ttcaaaagcc atgggaagag atgacattga atgagaaggc attggagctt tatgttggag 360  
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<210> 16521  
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 ttgttcgaaa tggtttggtg antcaagctt tggcatttta cttcaagatg ctctgttttg 240  
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<210> 16522  
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 cttctctttc gaatggcttt ctttcgccgt ataccggagg aagcatctct agtgacttat 240  
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 aacgcggagt tgtcactatg gntatacctt tctcaaaggg aagtgcacac gaacaacctc 360  
 ctctgattt ggcatcatat ttgttcaana accgaattgt atatttgga atgtctctcg 420  
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<210> 16523  
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 <212> DNA  
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 <223> unsure at all n locations  
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 cacttttggt gctgacaaag ttgctgagtt ttttaataaag aatgatatgg atttaagtct 180  
 gtcgtgccca ccaagttgta naggatgggt atgagttctt tgctgaatag acaagcttgt 240  
 gactatgttt tctgtccaa aactactgtg ggtgaaattt gacaaatgcc nggtgcattg 300  
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 <211> 474  
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 taatgacttg tgtcgccacc tgaggaaaag ctttcaggcg acagctagat caattggaga 240  
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 agccaaagga attgttaata cacagcccct gttcgatatg atggctgttt cagtcgaggg 360  
 tcttccttct tcaggaattg tttcacgcgc agccgttga tcaactgggtg atacttgcac 420  
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 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-H7  
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 tttgttctta tctgaaccaa agtggaaacga tgatgccag aaaagtagta acatcaatgt 300  
 tattttgcct ctgttaaaca aattaggctc tcaaattcaa tcattggtga ctcatggagc 360  
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<210> 16526  
 <211> 446  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 gttttacagt tcaaaactgg attgatgtct gttattaagc aaaaattaca aaaagagagg 360  
 ttgggaccat agacagaagt cagggatatt cntcgactac aagaatttta canggctata 420  
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 <223> Clone ID: LIB25-018-Q1-E1-A12  
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<210> 16530  
<211> 437  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB25-018-Q1-E1-A5

<400> 16530

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cgtgtttggc gactcttccg ttgatgccgg gaacaacaac tatatcccaa ctgttgctag 180

aagcaacttt gagccatatg gacgggactt tgttggtgga aagccgaccg gacgggtttg 240

taacggaaag attgcgacgg attttatgtc cgaagcctta gggcttaaac caatcattcc 300

ggcgtacttg gatccttctt ataacatttc ggattttgca acaggtgtta cctttgcttc 360

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acaactcgaa tactaca 437

<210> 16531

<211> 74

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<210> 16532

<211> 425

<212> DNA

<213> Arabidopsis thaliana

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<400> 16532

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ataacgacga catttccgag ttctgtatct aactcggagg tggacgagat tgcgacgtga 180

aagagacaag acaagctggt ttatagagac caagtcgtag gctggaccaa gaataaaaag 240

aagattgatt ccaacaatgt tatatagcag gatcgaagct ctatttcctt tggaattttt 300

agtcctattgg atttcaattt catgtattgc gattactttt ggctctcttt ctttaacagt 360  
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 aacagttagc agaaactatg gattcaagac aaattggaga aaatcttcct gaagaaatgt 360  
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 <223> unsure at all n locations  
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accattggac gctcaattcg gcggtggaaa cctaccttca tttgtggtcg gagcaattgc 360  
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 <211> 398  
 <212> DNA  
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<210> 16536  
 <211> 446  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-E12  
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<210> 16537  
<211> 404  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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taaagaggaa caattggaat ctgagctttc gaagaagctt gagattgcag aagatggtca 240  
agaggagaac gatggagaag aaggaagcaa agctgaagac ttcaacgaaa gaagaagaag 300  
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<210> 16538  
<211> 451  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-E3  
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tcttcctccg aggaacaac atgcgacaca tctcatccc cttcttctac tgggtggatga 240  
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cacatgttgt gctacggatt gcaacttcac attagaccgt atcttgcgcc ttccaatagc 360

ctgagtcatt gnttcatccg gtttcatccg caatcccaag ttaattaaan aacatgaaat 420  
ccacnagcgc aaaggagntc ctgttccaan t 451

<210> 16539  
<211> 504  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-E7  
  
<400> 16539

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ttantgggtca aaccctcttc tatgatcttt angggaangt gtgagggaan tttctganac 120  
anggtgaag tctgcaaatt ctctcttcgc atagtcctag agaaacctct ttgttctctt 180  
ctttcatatc ttgttcttat ggggtctggt tgaagaaaga tacatcaatt tcttttcttt 240  
ttcagtttac aaatgtcgtt tccttgagtc tgaacccctg agtgagatgt tgtgagcata 300  
gggtccttcc tattagccaa aacagtcttt ctgttggtt ccttcgcgtc tttgagttct 360  
cagtatgtgt tttctcttc tcttgctctc tttcttttgc ctaaattggtc aaccccgttt 420  
atgttcgaag taaataacgg tcagtctacc caagcctgga gaatcattga ttttactgcc 480  
ttggtgtcaa gtactcctac naac 504

<210> 16540  
<211> 138  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-E9  
  
<400> 16540

antcctttgc ttcacctgtt cctctcgcca natctcgggc gtcttctctg ggcaatccgg 60  
tcccgtcttc tggtcgccgc nttttcctcc gttttccgtg gnggccttgt gtctgtcaaa 120  
ngtctctcga ccaagcna 138

<210> 16541  
<211> 505  
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-017-Q1-E1-F1

<400> 16541

naccggtccg gnantccgga ncgacccacn cgtccggaaa acttcctcac gccatggaat 60  
cactgactgg angggctttn aaanactcca tacanattnt ncccantttt ccanatatgg 120  
agaaggctta ttctaagctc aagactctta gttatgaggt ggttggtgat gttgtacctg 180  
aactaaaatg gaatcctgag gatgggtata aaaatatgaa ggtcgttgta naactaggcg 240  
atgagataga tgcaaaaaaa gcttgtgaaa gacaactaag acagaaatac aagtctcttg 300  
gtgcgttgaa gattgtaacc gagcgagggc tacaggtggg agatctaaca nttgttgata 360  
tttctgctac aactatagat gaggacgggt caaccgggtc aagccgattc cagattcctg 420  
aanagcaaaa gttttcactt tngacactgg aanaanggga atanattact tccctggatt 480  
cccttgatgc caannnatag ggant 505

<210> 16542

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-017-Q1-E1-F10

<400> 16542

tattcaatan ggccactctc ctgcaaatag gttcaggtgt gatttatagt aatgccctta 60  
nggaagaagc ctccgacgtc ctcaagtctc tanatgcac atagtgaccg aaaccacacc 120  
atgtnggnaa gtctcccaca gttcagcgtc gttctgcgaa ctatcagcct tctcgttggg 180  
accatcacca tctcctctcg gtcgaaaata aatttgcgaa agataaaagg gtacgagaga 240  
gagatttggt gaaggaaaaa gtgagaaaga tgctcaatga tgagcaaaag acttatcttg 300  
accaattgga gttcattgac gatctacaaa aactcggggg ttcttancat tttgaancgg 360  
aatcgacaa cattttaaca tcttcttata aanagatag aacaaacatc caggangagt 420  
gacctacatg ccanngcact cgaatttcga ctt 453

<210> 16543

<211> 120  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-F12

<400> 16543

cccagctnga cctttatcag gttccaaaag ngtggttaa gtggggnaaa cccctgtttc 60  
anaaggctta tgaccttcac ctaataaatt atctacaaac taatatccac ttnagcgca 120

<210> 16544  
<211> 483  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-F3

<400> 16544

ctannngncc ngaatcnggn acgnccaccg tccggnaaga ttgggatcac annnagaanc 60  
anagcantca nataacttgaa agtctcttta ntgacttang tgtcannnnt ttcnctctct 120  
taactctctc aaatctttta gagagaaaaa actttgaatc ttgttcatat cttttgctaa 180  
tccgattaac atcggatctc tttagatttc gttttatgtt ttagctttct gactatTTTT 240  
cagatctatc tcaaacttct tgcgggtttt tcttctatac tttgtttcga tttgtagtgt 300  
ttttgtaaag ctttttgctt gttcttcaaa tcaacacttc tatgttggtg aagtgttaaa 360  
tcattgtggt ttgatgggtc tttgttagct gtgtacttga ttcttcgtcc aattgttggt 420  
aaatcctcgc ttgcccatat gggattaaat taagcgattg tcacttggtc gtttgattca 480  
aat 483

<210> 16545  
<211> 394  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-F4

<400> 16545

nnnnnnnnnn nngtngagga ggataagaac aattgttagc cctgttagtg gcactaccgc 60

tgangctata gatgcagaat ttaccggacc aagatgggga gaagtttcgg cttatagata 120  
 cagctgggat caggaaaaag tcactctgtg cttcatcagg cagcactaca gaggccatgt 180  
 cagtgaatcg tgcatttcga gcaattcgtc gttctgatgt tgttgccctt gtcattgaag 240  
 ctatggcatg cataacagag caggatctga agattgcaga aagaatagaa agagaaggga 300  
 aaggatgtct gggttgttgt aaacaaatgg gatacaatac cgaacaaaaa ccaagagact 360  
 gcagcacatt acgangacga tgttcgggag aaac 394

<210> 16546  
 <211> 506  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-F7  
 <400> 16546

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 tctgatcaca acaatcataa ncnatnnnag ganctanacn cnatgaattc antttanta 120  
 ngaatccatc aacgccaaac actggtcagc cgacaccgac gtaccccgcc ggtgttggcg 180  
 gcggcgggcg tggaaggaaa aaaggcggtg gcgtgaggac gtggttggta cttaactcgt 240  
 cagggcaatc ggagccgaag gaagaaggga aacactccat catgcggcga acgggattac 300  
 cggcgcgtga tcttaggatt ctgatccac tgttgctgta tccatctact gttttaggta 360  
 gagagagagc gattgtcatc aatttggagc atatcaaggc aatcatcact gctcaagaag 420  
 ttttgttgct taattccaaa ggatccttcg gtctcacctt taattgatga agttgcaaaa 480  
 ggcgggattc ccctgtcacc atcaac 506

<210> 16547  
 <211> 403  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-F8  
 <400> 16547

nnnnnnnnn nggagaccat tcttggaga aaagatgctt gaggtattac caacgaggag 60

ttgaggggtga tcaggagaga naccttctgg ctggatgttg ggcaccttat ctgagcggtg 120  
 cggttacatt gaaaccgtgt tacgatggag gcattgatgg tggcnaggtg gcanctaaaa 180  
 tactgcagga cacagccatg gggaagaagc gttccaaact caatcttaag cggagcgagg 240  
 agattgcggg atgcaataat attaggcttc cagctacaga gagctcctgn gaagagatct 300  
 ttcagttcca agaatgggtat caagtcgctg gaaacgaagc tgggattcct tcggttgatc 360  
 agactcataa accctccaag tttgtaggaa tgctttgaaa att 403

<210> 16548  
 <211> 404  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-G1  
 <400> 16548

nangannann gnnnnnctn nnntcacgac cacggccgct ctgaagaaga agactctctc 60  
 cgtctcctcc cttctcctcc tccgtctaag agacaaggca tccccagacg ccatgatctc 120  
 tctcactccc tcgttgtttc tgaacaagac ggttgttcct ggatgttcca cacgcctctc 180  
 tctgcgccag cctagaacta taattactcc tctgtcttcc ttgagagtct tttcctctct 240  
 cggatctaac caaggatncc accggcagcg ttttgattga gaacactgcc acttcactct 300  
 cctctctcga gaactccgcc gccgacattg ttcccaaate caacgtatct ggtggagttc 360  
 angatgtcta cggcgaagga tgccgccaac gaaggacatg ctat 404

<210> 16549  
 <211> 447  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-G11  
 <400> 16549

cancggccgt actatgagag attcaccgtg aantcgaata ttaagtgaga gaagctccga 60  
 ttgatttcac tttctgccgc caatttttgt ttttcttcg gtgagacnan gaanatncca 120  
 tgggtcgacc tcccagtnnt ggccgtccgg cgtttcgatt tctctgcct gaggtaacgg 180

agatggangc acttttgcta cagcataata catcaatgcc aggtcgacat attcttgaag 240  
ctcttgctga taagtttagt gaatcacctg agcggaaggg gaaagttgtt gtgcagttca 300  
agcaaactctg gaactgggtt cncnataggg gatatgcttt acgagcatng ggaaacaaag 360  
ctcctgggaa gctaaatgtn tcgtccatgc cgcgtatgga tttaccanat cagatgacaa 420  
ntgtcattca accnttanen gttccta 447

<210> 16550  
<211> 511  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-G12  
<400> 16550

nngggnnnga atggttgnat ggcnegcctg gcctnaatcc gggaacncn acgcgtccgc 60  
acngantcag canctctttg aactactctt cgacantggc cgaacgtggg ggagaacgtg 120  
gtgttgagcg tgggtggagaa cgtggtgatt tcggacgagg attcngaggc cgtggaggtc 180  
gtggagatcg tggagggcgt ggacgtggag gccgtggtgg tcgtcgtgga gggcgtgcc 240  
gtgaagaaga gaaatgggtt ccagtgaaca agcttggtcg tctcgtggcg gctggtcata 300  
tcaagcanat agagcagatc tatcttcatt cactcccggt taaggagtac cagatcattg 360  
atatgtcat cggccaaca ttgaaggatg aggtaatgaa aatcatgccg gttcanaaac 420  
agaccagggc tggtaaaang actagattca aggcctttgt tgtccttgga gatggtaatg 480  
gtcatgttgg gttgggaatg aaatgcncn a 511

<210> 16551  
<211> 89  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-G2  
<400> 16551

ttanggaatt gacatctcnt gtccatgaag ganattcaag tttccagttg acagtgttga 60  
gctctatgct gacaagggtta acancagat 89



<210> 16552  
 <211> 472  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-E11

<400> 16552  
  
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 attgttgcag ctgtncgtga aggcattgtcc atctataaca ncatgaaggc cttcatcang 120  
 tacatgatct cntccaacat cggcgagggt gcactnatat ttttgacanc tgctcttggt 180  
 atcccaanan gcatgatccc ggttcagctt ctgtgggtaa atctcgtaac agacggtcct 240  
 ccagctactg ctttgggggt caacccccct gacananata ttatgaaaaa gcctcctcgt 300  
 aagagcgatg actcgcttnt cactgcctgg atcctcttcc gctatatggt gattggtctg 360  
 tacgtgggag tagcaacggt gggagtattc atcatatggt acacacacag tatcttcatg 420  
 ggcataaggct tgagccaaga cggtcacaac cttgtganct antcanagct cg 472

<210> 16553  
 <211> 122  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-C11

<400> 16553  
  
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 ggtcacaatc tgcaaagggt tgtatcttct acgntgtgga atcgggtttt agtttgggtn 120  
 ca 122

<210> 16554  
 <211> 259  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-C2

<400> 16554

tgannancgn ggccttnnga ttggttacct gttggtttta atgttttggg caggagtaat 60

attttgatag tgagaagact aaaattaatc atttagttat atgttttttt ggttggttaa 120

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaa aaaaaaaaaa aaaagggcgg ccncccaaaa ggateccaanc ttacntaccc 240

ntgnatgcaa cntcaaanc 259

<210> 16555

<211> 450

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-017-Q1-E1-C5

<400> 16555

caaggaacct gcaccccta nagtcgttca gcatcatgat ttctcttcac agccaaatca 60

cttnogcacc aaaatactca agcagtatcc gaggttcata aaccactgcn tcaagatatt 120

ccacctgcta attttgagaa gcatcagaaa tctgagactg ccagcgtgga gactagaagt 180

gatggtcaga agatttctag tcattcaaatt gcattccatg aagatcaaaa tacagtgagc 240

tcagagtgtg actggagtga acacacttgt cccaatggga ataaatatta cttccattgc 300

atcacttgcg aaagcacgtg ggagaaaccg gacgaatact ccatgtatga aagatggttg 360

gaaagagcaa aacaaggnta cangatgana aaattaaatc cccccggtt aaacaatgag 420

agccaagaag caatcnaaaa acagcgaggc 450

<210> 16556

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-017-Q1-E1-C6

<400> 16556

gnnnncnctt anncnngtan ntnncannt gannnnaana gaaataatgt ctgaaaaggt 60

gggagcgatg ggtggttaaca aggggtggagc attcgacgat ggtgtttttg atggtgtgaa 120

gaaagtaatt gttggaaaag acttcaacaa tgtaacttat atcaagggttg aatacgaaaa 180  
ggacggaaaa ttcgaaattc gtgaacacgg gactaatcgc gggcagctaa aagagttttc 240  
aagtggatta tccgaatgaa tatatcacag ccgttggtgg aagctacgac actgttttcg 300  
gttacgggat cagcgttgat caagtcatta ctcttcaaaa cctcttatgg gaagaaactc 360  
tccaatcctt ggtcacacga cattactaag ggaatccagc ctgggaaaag aatcatgctc 420

<210> 16557  
<211> 452  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-C7

<400> 16557

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tccccnctc tccggcgatg gttgttgcta tggaccaacg caccaatgtg aacggagatc 120  
ccggcgccgg agaccggaag aaagaagaaa ggtttgatcc gagtgcacaa ccaccgttca 180  
agatcggaga tataagggcg gcgattccta agcactgttg ggtaagagt cctttgagat 240  
caatgagtta cgtcgtcaga gacattatcg ccgtcgcggc tttggccatc gctgccgtgt 300  
atgttgatag ctggttcctt tggcctcttt attgggccgc ccaaaggaac acttttctgg 360  
gccatctttg ttctcgcca cgactgtgga catgggaagt ttctcagaca ttcctctact 420  
gaatantgtg gttggncaaca atccctcaat cc 452

<210> 16558  
<211> 403  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-C8

<400> 16558

gnnncnnnc nngnnnctg atctccagcc taaggaaggt ctgcgctag tcaatggcac 60  
ggcggttgga tctggaatgg cgtcaatggt gttattcgaa acgaatgttc tctctgtttt 120  
ggctgagatt ttgtcggcgg ttttcgcaga ggtgatgagt ggtaagcctg agttcaccga 180

tcattctcact cacagactta aacatcatcc cgggtcaaadc gaagcggcgg cgataatgga 240  
gcatatcctc gacggaagct cgtacatgaa attagctcag aagcttcacg aagatggatc 300  
cgttacagaa acctaaacaa agatcggttac gcctcttcgt acttctcctc aatgggttaa 360  
ggctctcaaa atcgaaantg attccggttac gccaacgaaa atc 403

<210> 16559  
<211> 52  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-C9  
<400> 16559

gtagctcggg gatcgggtcct ncagaaagtc ttgggtttta agccaacgaa aa 52

<210> 16560  
<211> 468  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-D1  
<400> 16560

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gntnngacga ttatatctgc ggaggatctc aaagacgttc aattgatcgg taaacaagac 120  
ttgtacgccg tcgtttccat caacggcgac gctaggacga agcagaagac aaagggttgat 180  
aaagattgcy gcaccaaacc taaatggaag catcaaatga agctcaccgt cgatgacgca 240  
gcggcgcytg acaatcgtct tactcttggt ttccgaagatc gtggcggatc gtcccatcgc 300  
tggtgataaa cctgtccgtg aagggttaacg ttcccgggtga aaggagcctt tgggttaaga 360  
atnaaaggty acnaaggaga aaaacngggt accttacgcc ntnaagggt nccctaaacg 420  
ggnaaaggcy aaaagggttt tccnccaaaa ttcccnggtt caaaattt 468

<210> 16561  
<211> 93  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-D11

<400> 16561

tttgttcant tctgattcga ttgancgtgc ttggaagatt ctggggggaaa ttcccgggga 60  
aagcgactgg tgcttntagg ncacagccaa ggt 93

<210> 16562  
<211> 451  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-D12

<400> 16562

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atttctctga caaggaagat atcccttttag gtggattctt gtttaaattt aaaaatcctc 120  
angaagaaga agaagaagaa gaagatagtc aaatgaaaat acattcttct gatcattcat 180  
ggcttttact agccgttctc gtgattctcc tctccttctc tggagctctc tcaagcgatg 240  
acaaagagaa gaagacgaaa tcggtcgata aaaagaaaga agtaacttat gatggaacgt 300  
ctttgatcat caatggaaat agagaactcc tttactctgg ctccatacat taccctcgta 360  
gcactcctga aatgtggcca aacatcatca agagagcgaa acaaggcggt ttgaacacga 420  
ttcagacata cgttttttgg gaacgttcat g 451

<210> 16563  
<211> 400  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-D2

<400> 16563

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cggtactgat aagagcaata ccggaacag tttcttcgat atatatggac ccgaagcgaa 120  
agcagaactc gatttcaaaa gccctgaaac aacattgaac ttacaagatg ttcaaggact 180  
tgtgacatgg gttcttgacag aagggttttat gccttcatgg gtatttatta agaacaagcc 240

tctcattcca aaggttgtac tgctctacct tcctggattg gatgcagctt tataacttacc 300  
acatttctaaa aactctgtcn agtttgaaat catgtttgtg gnaatcctaa gggngcttta 360  
acctttgagc tgtgtatttg atgagatgag gacaatcnat 400

<210> 16564  
<211> 511  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-D3  
<400> 16564

tcnnngaach cccacgcgtc cncgnaangc ntggnaaac aaatcttaaa cnttttactt 60  
tgtntgcac tactcaacct caatggcgc ctcaacantg tgnctctcct ccctgcctt 120  
cgccggtaag gccgtcaagc ttccccccgc ggcattctgaa gtccttgga gcgccgtgt 180  
gacaatgagg aagactgttg ccaagccaaa gggcccatca ggcagcccat ggtacggatc 240  
tgaccgtgtc aagtacttgg gtccattctc tggcgaatca ccgagctacc ttaccggaga 300  
gttccccgga gaactacgga tggggacaac gccgggactt tcaagctgaa cccgaagac 360  
atttccaag ggaaccgtga actaanaaat ttatccaaca agcaaggtn ggncaatgc 420  
tccgggaacc cctaaaggct tgcgntctc cctggaagc cntttttggg ctaanaaaaa 480  
ccngngntcc aagttncgg aaaaagncgg g 511

<210> 16565  
<211> 405  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-017-Q1-E1-D4  
<400> 16565

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gtctggncct ttctcttccg atgattcttt tggttcttct ggagttgcag gatctggttt 120  
acctggtgga gaggggaaat ggccggagga gcctaagaga tggaatataa agcgaggaag 180  
aggaaaaagt tgtgtttgat actgggtggg gaagtaggtc aagggttga gactaagtcg 240

cgagaggagg ggtaatgaat gggaaggaga ctaagagatg ggatattaan ganggaaaaa 300  
 ggagaaagtt gtgtttggtg gccgangaaa tgaagtggat ggggttttgg aatcaagggg 360  
 aaangtgaaa tctaataaat gggatgttgt caaaancatg ggaat 405

<210> 16566  
 <211> 450  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-D5  
 <400> 16566

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 atgcgtgggg aaaagagata actggaacac tggagattat gactaagaag ctaagatggg 120  
 gtcggttagc tagagagctc accactcttg aagctgtgtg ttggcgtaaa tttactgttg 180  
 gagggattgt acaaccttcc cgctgcaatt tcagcgctg tgctgttggg aaccggcttg 240  
 tgctatattg tggggaaggg gttaacatgc agccattggg atgatacttt tgttctcaat 300  
 cttgatgcag agtgcctga gtggcagcgt gtgagggtga cgtcgtcgcc tcaaggacgt 360  
 tggggacaca cactctcgtg tctcaacggg tccttggttg gtagtccttt ggaagggtgt 420  
 gaaanacaag ggattgctta atgatttatt 450

<210> 16567  
 <211> 395  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-D8  
 <400> 16567

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 anggtgatgg tgtctctatc tttggaggaa gtcattgttg ggttgaccat tgttcgttct 120  
 ctaactgtga agatggactt attgatgcta tcatgggctc gacggctatc actttgtcta 180  
 acaatcatat gacacatcat gataaggcca tggtgcttgg tcatagtgat acttacagtc 240  
 gtgacaagaa tatgcaagtt accattgctt ttaaccattt tgggtgaagg ccttgtccaa 300

agaatgccca aggtgttaga catgggatac tccatgtggt gaacaatgac tacacacatt 360  
 tgggaagatg ttatgccnat tgggtggaaat tccna 395

<210> 16568  
 <211> 326  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-D9  
 <400> 16568

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 ctataaagaa agtgaagaac aacantggaa actgcgacgc anangaagct gctgatnana 120  
 tggcaagcga ggctaanaaa atngaattga ttctgaaatc ctctggttat gttaatgtac 180  
 aacggatcta ataatttagc ctctcttttc accantcgcg gcgataaagg cgttaatcaa 240  
 ggattgtgca ctccgttggg aaggatttgg gtgccaatga anacatatct tctgcnggaa 300  
 aatcgatggg acaccggtcc atgggg 326

<210> 16569  
 <211> 459  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-C1  
 <400> 16569

aaangtggtg aacttgtatt tggangtggt gatccaaatc atttcaangg caaacatata 60  
 tatgttcctg tgaccaaag ggctactggc agtttgacat gggatgatgtt cttattggcg 120  
 gtgcaccac tgggttctgt gaaagtggct gttctgcgat agcagattct ggtacatctt 180  
 tgcttgccgg tccaacgact ataatcacca tgataaacca tgctattgga gcagctggag 240  
 ttgttagcca gcagtgaag actgttgtgg atcaatacgg gcagaccant ttggattact 300  
 tttgtccgaa aaccaaccga agaaaatcct gctcncaaaa ttgggncngt gtacttttga 360  
 tggtaaccg ttggtgtcaa ttatgggcaa tnaatccgtt ggtggacaaa ggaaaacncc 420  
 aaattgtcca aaggggnttg gaaatccgcc ttttccgca 459



<210> 16570  
 <211> 494  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-017-Q1-E1-E1  
  
 <400> 16570  
  
 aannncacn cgtcncgga attgttttng nnnannagtc tctcatctga actcaganna 60  
 tctccnagtt cntatatctt ctccgtttga ncaatggcgt tggatcatgca cacatacaag 120  
 ggaaacaaag gtgccataa ggcacttatt gctgcagagt atgcgggtgt gaagatcgag 180  
 gagtccgcag acttttcagat gggcgctcact aacaagtcac ctgagttcct taagatgaac 240  
 cctattggaa aggttcctgt gcttgagact cctgaaggtc ccatatttga gagcaatgcc 300  
 attgcccgat atgtnaagcc gtaagaatgg tgacaactct ttgaatgggt tctcccttaa 360  
 tgaatacgcc tcacattgag caatggatng aatttctcct caantgggag aattgatggc 420  
 tnacaatgtt tgaagttggg tttgcctcca aagaaatggg gctatgcccc ctttctcctg 480  
 gcccceanct gnag 494

<210> 16571  
 <211> 54  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-016-Q1-E1-C5  
  
 <400> 16571  
  
 cttaagttct cctggaatgg ccaatggatc catcctcctt gggaaaancn tttt 54

<210> 16572  
 <211> 700  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-016-Q1-E1-C6  
  
 <400> 16572

aaagaagaga aaaataaaaa agtttgtgta aatttttttt gcacactcca cagcctaaac 60  
 ccaacccaaa atcacaaaaa ccaaaaaaat atataataat gggtaggtgt gcgagtagac 120  
 ccaaggaatc agacatgcaa aacgaagaag gctctgttcc taacaagcct gtctctgaaa 180  
 acgtagtagc caaggagaac aacacagaaa gcggtgagaa acagaaccag acagtggctg 240  
 agaccactga aacaacttct gtcgaagcta aggagacatt tccggtcgag ccgaccaagg 300  
 aaacaactcc tgctgttcaa ccagagggtg cagccgtcga agagtcttct tctgctgatg 360  
 ctggtgaggg tgcantagtt gcacctgaga aagtggagaa cgctgcaaca gaaaacgctg 420  
 aagcaaaggt ggaggcggtt gccgtanctg caccgaaaaa ggttgagggtt gcantggaan 480  
 cgganaaaaa gntgaanctg aacaattaag gntgaggctg aacaattaaa ntgagntgac 540  
 cattaagggg ngatnaccag aagagaagaa ctgtttcncg tttgtgataa ttaattgtaa 600  
 attatttgan gttgttgagg ccctggttnt tgcacacaat ggttggttgt gtcttgacca 660  
 anatctcttn tcataaanaa cattncccaa aaaaaaaaaa 700

<210> 16573  
 <211> 444  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB25-016-Q1-E1-D11  
 <400> 16573

ggaaaaaatg gcaacggtca cgattctctc acccaaatcg attccaaagg tcaactgattc 60  
 caaattcgga gctagggttt ctgatcagat cgtcaatgtc gtaaaatgcg gcaaattccgg 120  
 ccggagattg aagttagcga agctgggtctc agcggctgga ttgtcacaga tcgaaccaga 180  
 catcaacgaa gacccgattg gtcaattcga gactaatagc attgaaatgg aagatttcaa 240  
 gtatggatat tacgatggag ctcatactta ctatgaagga gaagttcaaa aggggaacatt 300  
 ttggggagca attgctgatg acattgctgc tgtggatcaa actaatgggt ttcaagggtt 360  
 gatctcttgt atgtttcttc ctgctatagc tcttgggatg tattttgatg ctccgggtga 420  
 atacttgttc ataagtgcaa cgtt 444

<210> 16574  
 <211> 95  
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-016-Q1-E1-D2

<400> 16574

aanatgaagg actccattaa aggctgtcaa tgggccaaag gctaattgttc gnttatcaaa 60

ncctaaattg gggaagaaga agttacgaan aacaa 95

<210> 16575

<211> 916

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-016-Q1-E1-D3

<400> 16575

nnnnngnaat gtcnagcct nacgtagccg tccanaattc caaggtccac ccacnctgcc 60

gcaagagatc ntagccaata gacttttgag ctactcgagg catttccatg gcggcgacga 120

tagctgtttt taccggtggt ctgaaagtga aggctggagt tctcgccgtt caaatctcat 180

cgcttcctct ccgccgcgaa ttccctcggtt acttgctgctc ttcctcgagg aggacagtag 240

cggcaatctc ctgctctctt cgagtctccg ccgtatataa ccatcagcag cgtaatcgaa 300

gctcttgccc tcgagttgct actttctgta cggcggctcc agatgccggc acgacggttt 360

cagcggatga atcggagaag aagagcgaat ctcagaagga agaggagaat gtgaaggaga 420

cggcgaatct gttagatata aaagtaggac gaattgtgaa agcttggcaa cacgaagaag 480

ctgattctct gtatgttgaa gaaatcgaca tcggtgaagc tgaaccaga atcatctgca 540

attggtctcc gtcaaataatg ttcctccttg attnccctta anggtgcaac aattggtggt 600

gcctgggtaa acctgaaacc cnaaggaatt atgaaaangg ggttaaantc aagggtggga 660

angcctttta anccggaatc ctgaacncaa gctcaatgaa aaaatgtttt anccttcctt 720

gnttccaacc aaaaaagggg tccggnttcc ccnggaaaaa aaaaaatttt tgggttttgg 780

gaaaaccaa anaaaaantt tcccaancaa anttttcccg gnaaaccttg gaaccctccc 840

caaaanaaag gggttcaaaa nnnaaanaaa aaanttttgg gaaaattggg ggnaaaacca 900

acttttttta aaaaaa 916

<210> 16576  
<211> 738  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-016-Q1-E1-D7

<400> 16576

gnatcatttt ctcaggctcc aatgtcgctg gacttagctc gttgatcatc gtacaaaaag 60  
cttgctcgta gctatcagct ccccgagaa gaagatgggtg cggaaacagt ttcaacaggc 120  
taaaactgga atagaggcat tgaagtcaat ggatgctaac aactacttga agaagggttg 180  
attagggcgt gacgatatgt tcttttggaa acaagtggga aaagcattgc tatgcactta 240  
cacaatcttt ggtatggctt ggatttacia tgaaacgtct cctttagggtt ggtggacgct 300  
gaagccaaga ccaaaggaag agagagaatt ggctcatttg tatgagcggc gtgagtttcc 360  
ttatcctggt gatacagagg ctatggagga ttttgttgca aaggggggaa tgattggtac 420  
tgcaattgga ccgaaaggaa ttgttgagtc cgaagggtgag gctgataatt accagaagga 480  
aatggagaag aagaatttga taaagaggtc aaaaactgtg gntgaaaatg aggaatgagg 540  
ttattactga acttcaagag aaanggnata atcctgaata aggggaattca ataagggttt 600  
tganaaataa aaaancgtgt ttaattangg ggttacaatt nancaagggt tcacaaccgn 660  
aaaanntttc gtcanttaaa ctaaaatnca aacgggtnaa ntcttnctg ggaanancct 720  
tgccttaagg gggtana 738

<210> 16577  
<211> 829  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-016-Q1-E1-E1

<400> 16577

gnnnnngnaa ctgntacgc ctncccgtag ccgtccgaaa attccanggt ccacccacnc 60  
gtccgcncac gcgtccgaa gatgagccta tccttgagaa ggcctcggg acggagattg 120  
agtggatatcc tggaaagtgt ttgacacaga agattctaaa aaagaagcca aagaaaggat 180

ccaaaaaacac anagccgatc actaagactg aggactgtga gagtttcttc aactttttca 240  
 gtccacctca agttcctgac gatgatgagg atcttgatga tgacatggct gatgaactcc 300  
 aaggacaaat ggagcatgat tatgatatcg gttcaacaat caaagagaaa atcatctcgc 360  
 atgctgtgtc atggttcact ggtgaagctg ttgaggcaga tgaccttgat attgaggacg 420  
 acgatgatga gattgatgaa gatgatgatg aagaggacga ngaagatgat gangatgacg 480  
 agganganga tgatgaagga tgatgacgan gaggaagaag cagttaangg aaagaagagc 540  
 aaaaagaatc atcaactggg cacaagaaag gctgggaaga atcaaccttc cggaagggtca 600  
 ancagttaaa aggccacccg gaattttaan canaattgaa naantgaaga aaccttggct 660  
 tanttatgat gaanaagaaa attgaaaatt tccntttanc ccaggttggg tttccttaaa 720  
 ttgcaaatcc agggccggtt tataaaaaaac aatttttggg gaatggttgc aattaaaaaa 780  
 aaaaangggg ccttggttgg ttgngcccg antttccttt gaagatcta 829

<210> 16578  
 <211> 328  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-016-Q1-E1-E2  
  
 <400> 16578

tcntttatct tcacaatcng tnantgtcnc gtagctctaa ttaggtaaga actaatggga 60  
 gtgtcaaagg aaaaaatcag gtgatattag aggagattta atcccanggt taccaganga 120  
 attaccaatt gagtgtttgg ttagagttcc ttttcagttt cattcttcca tcaaactctgt 180  
 ttgccnatca tggaaatgcg ttatctccag tcgttctttt atcaaggaac ggataggttt 240  
 tggtaaagct gaatctctc tngccttgt tcaanctctg anttcaacan cgtctcnggc 300  
 gatgatggaa ggtggnaga tnagtcag 328

<210> 16579  
 <211> 736  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-016-Q1-E1-E3

<400> 16579

ttctcaagac aaaaaaagaa aaaatggtgg aagatgaaca atgacgaaga atcattgtta 60  
ttgttcatgc attaaccttg ttgttatgtt cctccatggc ctgttacatc gttccttatt 120  
accaccatcc tgttttgtct catcccaata gagaaatctt cagtcaccgt caccaccacc 180  
accaccgttt ctgcaacaat ctcttgaata gaagaattag tgttcctcga agctccgcta 240  
ttagtgacgg tgggtgtctc tacaatactc tagtctccga ggcgggtgagg cttttggttc 300  
cacaagcaaa ctttgattct tcaaagctta aagttgagtt cttaggagag ttattggaga 360  
acaagagtaa cggangaatt attacgccgc ggacttatat tccttcgcat tgtgacttca 420  
ctgctaactt aacgttaaca atctcaaacy ttatcaatcc tggattaact anaaaggctg 480  
gttcaaagaa aagataatgt tggntgccng aattggaaaa aanggttaat taatnaacct 540  
ncgtttaaca taattccant ggttngtttt taaattggta anaantttaa ttgccaggaa 600  
tntttncnn ccnaacctt aaggtttnc aaaaattttcc cccaaggga attncccttt 660  
ggggnactta aaancctntt ggtncaggga aaaatccatt ttagntttta aanaanaaac 720  
ccnaaccaa anggaa 736

<210> 16580

<211> 734

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-016-Q1-E1-E4

<400> 16580

atggcaccaa atcgtcatcc tctccacca aatcaccctc atcctcaacc tccaccgaaa 60  
caaccgctgc ctctatctct tcttcttccc ctggcggttg gattcaactct ttcggtgcag 120  
at ttggagct gttttttctg gaaagaatct tggcggtgaa gttcggttgc ttgtgttcgg 180  
gaggaaagaa gatgataaaa aaaaaccgga tcggatccgg tccgcggata ctcgtacttt 240  
ttcacagact tcaggatccc gaatatccga ggttggaag atacggatcc agagactgaa 300  
atgacggatc cgccggatac ggattcggat tcggatacct caaaaatccc ggatatccgg 360  
attcggtaca aggctaataa ccaancattt aatataaaaa cntgtcaata caactaaagt 420  
tttttttctt aacaactaan taattttggg ctttccaaaa tctttaatat aaaaagaata 480

ntcctttaat aaaattgatn tcaaactact aaaagtctaa acncctaaaa atccttccct 540  
tcctaagnaa tgaaantcna aatttttaaaa cananangtc aaccaaaaaa nttgnttcca 600  
aacgggaaca aaaaaantta gttccccccn aantttttgg gcttttttna aaaccncccn 660  
atntttccan taanttttgn aacnnnaaaa cccaacctgg taanaaantt tcaccaaaaa 720  
tttttaattg nccc 734

<210> 16581  
<211> 263  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-016-Q1-E1-C12

<400> 16581  
gnnnnggnag ttcngtttag nncgccngta ccganaccaa aattcgcggg tcnaccacg 60  
cgtccggagg gagcagaagg cgataataat atggggcact cttgggtatc ttattacagc 120  
tacaggactc attttgtatc tgtttcgttg agtgggggat gatatgcctt gtattcaaga 180  
gaagagagac acggttgatt tcaacaaagc ttatattgat aactttgaaa aaaaaaaaaa 240  
aaaaaaaaaa aaaaaaaggc cg 263

<210> 16582  
<211> 568  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-016-Q1-E1-E5

<400> 16582  
gggctttggc tcggattcgt ccgtcttctt tcttcttagc cgagtacttc ggtagattag 60  
ttggaacgat tgatgatttt gagttaattg aacgttcggc gtatgagtgg tgatcggata 120  
gctagtgttc gtaggctcca tgctcgcgca tcgaactacc taccacctat ccttctcagt 180  
taattcacgg gcgatgttac gctcgatgat gagttccggg gcctgtgttt cgtacctaat 240  
ttgaaggaat tgttgagttc gggttacacc catgccggcg gcttctcctt cgtggggaag 300  
tcgtgggcac aaacatcggc gcttggtcac ctctcgatcat cgcanttggt gccttgctcg 360

cattggtgaa tgaattgcgg gttgaaatct cggatgccga aaagttgtcg acggtgactc 420  
naantnattc agtcccgcga agctcatccg tccttcgggc aaaaagataa cgggcaagaa 480  
ctcgtccntt tgncccttc caattgcntt ttnannaagn attttgccgg ggnaanttnc 540  
cnttatncna annaaangnc aaccnggg 568

<210> 16583  
<211> 842  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-016-Q1-E1-A8

<400> 16583

nntgggnnng nngnaantgt ctacnctnt cgcagccctg taaaggtcca nanntcccgg 60  
gtcnaccac gcgtccgng acgcgtccgc ccacgcgtcc gcgataaagt cccccaactg 120  
ttcgacgaaa ttctcagag gtacaataag atcatccctg acaaaatctc ttacggtata 180  
ttgattaagt catactgtga ctctggtacc cctgaaaaag ccattgagat tatgagacag 240  
atgcaaggta aaggcatgga agttactacc attgctttca ccaccathtt gagttcattg 300  
tataagaaag gtgagctcga ggtagctgat aacttggtga atgagatggt gaagaaaggc 360  
tgtgaattgg ataatgcagc gtataatgtt cgtataatga gtgctcaaaa ggaaagccct 420  
gaaagagtta aggagttgat tgaagaaatg agtantatgg gattgaaacc tgatacgatt 480  
agctataact atcctatgac tgcgtattgt gagagaagaa tgttggacga agctaagaaa 540  
tgtatgaang gacttgaagg taacaactgg tgctccaacg cagctacttt taggacattg 600  
ataattccac cttggtanaa ccgaattgtt cnancaaggc tatgcgattc tcaagaagaa 660  
tgtttnaagc acaagattcc agatttcaac actttnaaan catttggttt nggaattggg 720  
gggnaacaag aaangnaatg cccctaangg gttattaaaa cggtgaaaaa aaaattcccc 780  
ccgagtttct gaaagccttg gaaaaanccc ngggggaacc nggcgtttca aaancngnt 840  
tt 842

<210> 16584  
<211> 500  
<212> DNA



<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-016-Q1-E1-B11

<400> 16584

ngngngnntt cntttgnaen gccgtacant ccanaanggc cgggccaccc acgcatccgg 60  
aaaaagtatt tctccagttt tggaattcgc catggctgtt gatagcagaa tggatctgct 120  
aagcgaaaga gctgtgttga tgagagcatc tcttcaaaag agtcaaacca tcaccgataa 180  
tggtgtttct atcctcggct ccttcgatag tcgtctgtct gctcttgaaa ccgccatgcg 240  
tcctactcag attaggactc atgctataag gaaagctcat gagaatattg ataggactct 300  
taaggctgct gaagttantt tgtctcaatt cgatctcctc cgtcaggcan agactaaagt 360  
actcaaaggg gccacaataa ggacctggaa agttatccgg gatgcaattg ctcaactcag 420  
aaaagaataa nncctaattt atgagcaaca aaagccttta agataatgga tgggggttctn 480  
aancacncaa atanttnctt 500

<210> 16585

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-016-Q1-E1-B12

<400> 16585

gattcttccg gagggcgatc tgccacacca aatgctgtgg accagacgtc tactcccttg 60  
gcatcttcac aaccagcagc gattccagat tcgttgacaa ccttatctga atatctgaat 120  
catctcagac aagagtttgc tgctaattgg agcaatgcta ataacttgca agattctgaa 180  
aattcagtgg gcaatgtgca agattctgct tctactactg gagagagtcg gattccaaga 240  
ccatctcatt tggcagaagt gctgcaatca acaaggcaat tggtgatcgg tgaagtanca 300  
gattgcttat ctaatctttc gaggcagctc gtggatatgt aaatgtgacc gatccgccaa 360  
cccgaaggtt gtgccagtca aacatgcttc aatcaggatc cctcttggan agttaagcat 420  
ttcactctga acttgg 436

<210> 16586

<211> 849  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-016-Q1-E1-B2

<400> 16586

cgctccttctg aggctggaag cgatgaccat gacagcattt ctcgcgagac ggcttatcgg 60  
taacggatcg agccagattc tcgggacttc gagttctagc tccggtccgt tcatttccgt 120  
ttctagggct ttcttctcct cctccactcc gatcaaagct acttctcttc ccggtgatgg 180  
gatcgggtccc gaaatcgctg aatctgtcaa gcagggtgtt actgccgctg atgtgggttat 240  
tgattgggac gaacagtttg ttggtactga agtagatcct agaaccaata gtttcttgac 300  
atgggataat cttcaatctg tgcttaaaaa caagggtggg ttgaaaggac caatggctac 360  
tccaattgga aagggtcaac gttccttgaa ccttactcct aagaaagaac tgaatttgta 420  
tgccaatggt aaggccttgt tacaatcctc ccgggtacaa aaaccctgta tgaagaagtt 480  
gattcncaat taacaattcn ttaagaacac tggaaaggan aanttcaant tgggccttna 540  
aacaacccaaa gttcctcna aggggggtgtt aanttgggaa aaattcctta aaaaatttat 600  
taancccngt taanggggna aatttttnaa aaaatttnnc ccnaatttaa gncccttttc 660  
cctttaaagn ccaaanaaat cccccgggna aggggaaaaa aaantttttt ggcaaatttc 720  
anaaaanncc aaaaantttt tgcccnaaaa aacgggaggg gcccttttcc cggnaaannt 780  
tttttaaaaa aaatttcccg cnaaaatttn cccggnnaan anttttcnaa aaagggtttt 840  
ttttanaaa 849

<210> 16587  
<211> 640  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-016-Q1-E1-B3

<400> 16587

tagattggcc atcgagagag gagcttcatt gacaaagagt cctatagccg gaagtgaaga 60  
aatttccggt gcgtataatg ctaaaggccg tccagatctt gggttggtca tcagggttaa 120



<210> 16589  
 <211> 254  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-016-Q1-E1-B6

<400> 16589

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 ntttttcgcc gtcgcctggt ctttcttcgg ttaacctccc ttcgacgtct ctttccgtcg 180  
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 aaanctaaaa cggc 254

<210> 16590  
 <211> 651  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-016-Q1-E1-B7

<400> 16590

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 ttaaccattt cttgagtttt cttttgatcc cgatcatggc tattgtcgcc gttgagcttc 180  
 ttcggatggg tctgaagag atccttaatg tttggaattc actccagttt gacctagttc 240  
 aggttctatg ttcttccttc tttgtcatct tcatctccac tgtttacttc atgtccaagc 300  
 cacgcaccat ctacctggt gactattcnt gttacaaagc caactgtcac gtgtcgtgtc 360  
 cntcgcaac ttcattggaa cactctcggt tgattctcaa aggacaagcc taagaccgtc 420  
 caagttcaaa tgagaatccc ttgaacgttc cgggctccgg ttaaggagac nttgtcctcc 480  
 ctccnggnaa attccattan aatccctccc caaaacaaa nccaatgggc cnccggnnta 540  
 gaaanccaag ggctcaaaaa tgggggttaac ctttcnangg gccaatgggn cnnatttttt 600  
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<210> 16591  
 <211> 688  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-016-Q1-E1-B8  
  
 <400> 16591

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aatcccaggg ttaccagagg aattagcant tgagtgtttg gttagagtgc cttttcagtt  180
tcattcttcc atcaaactcg ttgtccgacg atggaaatgc gttatctcca gtcgttcttt  240
tatcaatgaa cggatatggt ttggtaaagg ctgaatctct tctctgcctt gttcaacctc  300
tgacttcacc accgtctccg gcgatgatgg aagggtggtga gatgagtcag aagaagaaag  360
aggaagaaga aggcgagtcct caaatgacgc agcanctgct anaaccgcnt attactggaa  420
cgccacttta cggttaaagg gtttatnacy caaccctggn cacttggnac gattcccaat  480
ccctgaacgg ntccttggtc gggaatcctt gcaatcaggg ccgggggaaat tgttttaanc  540
cgcggttgga ttcgaaactt tcaacctgtg caaaantttt ggtccggatt ttccccggna  600
aggancggaa aaaggtnaga ntggcagccn tttgggggga ntttttttcc cgggggtccgt  660
tggtcnnaag gttntcncc gggggntt                                     688
  
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<210> 16592  
 <211> 507  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-016-Q1-E1-B9  
  
 <400> 16592

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agaattgtaa agatgatggt gaagagagca agaaagatag tgaggaactg tctttgatac  180
gggaacagct tgctctgatt gagaaccaac agtctagtct cttagactta ctacagaaat  240
  
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tcacatgggaac ctacacagagt ggaattcagt ctctggagtc tcgtgtaagc ggtctagana 300  
 tggcggttga tgaaatatcg tgcgatctgg cggtttcaaa cgggagagtt cctangaata 360  
 tantggctgc gcangagaca gttgttccaa actacctggt acagagttcc taaatcccaa 420  
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 tcctacnaac aagggatecca aaatcaa 507

<210> 16593  
 <211> 688  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-016-Q1-E1-A7

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 tttgttggtc gctttcttaa ggacatgaat ctgcggtggt ctagttttcg cggcaatttc 180  
 ggcgtcttgt cgcaatgcag ctcatgttgt agtcttcagt ttcagocctt ttagctgct 240  
 atttcagtc tcaattttgg gcaaacagga acatctcgaa ggaagaagga tctgaagctt 300  
 gaaagagttt tcagaaagag agagactttg gttagagtga cggagacgca aacggaacca 360  
 gaaggcaatg atgatgagga taataaaaga aggcaaaaga gagctctgca gatgatcctc 420  
 ctacaaaaat tcctactgag ttgaattcac agtcaacggt tgtgaatgaa accgcnngg 480  
 caaatgaagg anggaaaaca aaagctcaag ttcaagttcc caaggacngg tgataaaatt 540  
 tagaaagttt ancaattggg tccccctcnt nctgggtggt ttnaatccca nttacaaatt 600  
 gggnccaaat tccaatggan aactccccca aagggaanc caattggana antccncaan 660  
 gggggccaaa nttantttgg gntttttg 688

<210> 16594  
 <211> 496  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-015-Q1-E1-H10

<400> 16594

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ggcggagtag acggaatcaa cctagctcat agcatgtggt ctcaatgctt tgacaaagta 180  
atcttcacgg ttttgatga cttacttgag atagctgctg gggtcacagaa agactaccga 240  
aacatggaag gcacattgct tctcgcaatc aaacttctct ccaaagtgtt tcttcagcaa 300  
ctccaagagc tatctcagtt atcaaccttc tgcaagctat ggctcgggtg tctaactcga 360  
atggagaaat acatgaaagt gaaagtaaga ggcaaaaaaa gcgacaagct acaagaatca 420  
gtaccaagag cttctcaaaa acatattgct ggtgatgaag acgaaaggct gctanttga 480  
aagaattgct cctggg 496

<210> 16595

<211> 67

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-H2

<400> 16595

atttctect gtgancgtg ttcaaagca acgtctnacg caacattgag attaaacttc 60  
aacgagc 67

<210> 16596

<211> 501

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-H4

<400> 16596

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atttactcta acaagtcctt taaggtttta ataaccagct ttcatggggg ttacttcctt 180  
gtatctagcc ctgttatagc aaggagctcg tgatcatgag tggtaacagag ttagatgagc 240

ctggaaagtt aaaacgtgct gtcattgatg cttctgctgg tgggtgttgc ggtgcgattt 300  
 cacgtatggt tacctctccc cttgatgtta tcaagattag atttcaagtt canttggagc 360  
 ctacaagcta caaggggccc gaaagaatct caactgaaaa cgaaatacaa tgggttggtt 420  
 ccaacaaaga aagntatcct ttaaaaagga aggttaaccg ggtttccggc gttggaaagn 480  
 ttcaacctta cntaagggtg g 501

<210> 16597  
 <211> 440  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-015-Q1-E1-H5

<400> 16597

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 cggaggttct tcttcccaga tcagtgatat ggaagaagtt ggtcttctcg attcgtatca 180  
 caacgaancg aacgccgatg atattttgac tanaatcgaa gaangaagag atgtttccgg 240  
 ttttaaggaag attcaggtcg gagtcaccgg tatgacttgt gctgcttggt ctaattccgt 300  
 tgaagcagct ttgatgaacg ttaatggngt cttcaaagcc tctgttgctt tgttacagaa 360  
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 acaggatgct ggatttgang 440

<210> 16598  
 <211> 510  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-015-Q1-E1-H6

<400> 16598

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 agaagaccgc ggagaaagtt tcaaaccctc tattcgagag gaggcctaag caattcggta 180



ttggtggagc ttacctcct agaaggatc tctctcgcta catcaaatgg cccaaatcca 240  
 tccgtcttca aaggcaaaag aggatcctga agcagagggt gaaggtccct ccagctctta 300  
 accaattcac caagactctt gacaagaatc ttgctaccaa cctcttcaag gtccttctga 360  
 agtacaagcc anaagacaaa gctgccaaga aaggagcgtc ctgttaaaga aaggccaaac 420  
 tgaaacctna aggaaaancc ttctgagtcn aaaaanccaa tngttgtcaa attacggctc 480  
 aaacaattna cctaactcaa ttaacaagaa 510

<210> 16599  
 <211> 423  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-015-Q1-E1-H7  
 <400> 16599

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 tgatttttag gtttttggat atggcgtcga agcggatctt gaaggaattg aaggatctcc 120  
 agaaggatcc acctacatca tgtagcgcag gtcctgttgc tgaagacatg tttcactggc 180  
 aggcaacgat aatgggtcct tcagagagtc cttatgctgg aggtgttttc cttgtaacna 240  
 tccatttccc tccggattac ccattcaaag cctcctaagg tggcctttaa gaccaangtg 300  
 ttccatccca acattaacaa cagcngtanc aattgcctcg acatctttaa ggagcaatgg 360  
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 aaa 423

<210> 16600  
 <211> 442  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-015-Q1-E1-H8  
 <400> 16600

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 tggcggtga tgaagccaac gcgacgcact atgattttga tttgtttgtc atcggtgccg 120

ggagtggcgg tgttcgtgct gctaggtttt cggctaatac tggcgctaag gttggtat 180  
 gtgagcttcc atttcaccct attagctctg aggagattgg aggcgttggt ggaacctgtg 240  
 ttatccgtgg ttgtgttctt aaaaaagatt ctccgtccta tgggagctac cttacnggtg 300  
 gtgaaacttn aaggatgcct aaaaaattta tgggggtgggn aaattaaatt gagaaaagtc 360  
 cnaaacttcc acaattggga aaaaaacnct ttttgccaaa annnaanacc ctggattnan 420  
 aatcctaang nnccggaatt aa 442

<210> 16601  
 <211> 692  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-016-Q1-E1-A1  
 <400> 16601

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 atcgatgaag cccgggtttt agtacctaaa catctctttg tctcgtcttt gaaaaccccc 180  
 ccaagtagat ccaacatcat tcatatctct ctctctatct ctgcataagc tacggagcga 240  
 tgtcggcgtg catcaatggc ttatgcagag ccgtgactgt ctctcttctt cttcttcttc 300  
 tttctttctc tttttctca gcttgctcca atggaaattg ccagctgctg gattcatgct 360  
 cctcggntac tgattgtgtc tctggtttan actgtggaga atgtcctgcc gttgggagaa 420  
 attaaccgt ttgcaacaaa gaaggccaaa gccacaaagt tcaaactttc caattaatca 480  
 aatgggattt gcccttttaa anaannttta caaanggggt gaangaaccc caaaaatggc 540  
 ccttttaacc aaatggcaaa aatggccacc nanttttttg gccaaanntt nttttnaaaa 600  
 ngggntttta aattttttta aatnccaag gaangnnttn ccnnnttnnc naaanncaan 660  
 cnttanaaaa aanggggggt tttaaagggg nc 692

<210> 16602  
 <211> 498  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-016-Q1-E1-A10

<400> 16602

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ctcttccttt caccggcgagt acttagctcc gtcgagatgc tttctcggag ctccgggtcac 180  
ttctcttctt ttatcactct ccggttaagaa gaactcatat tctccgagac agttccatgt 240  
ttctgccaag aaagtttctg ggtagagga agccattaga atcagaaaaa tgagagagct 300  
tgaaactaaa tcaaaagtta ggagaaatcc accattaaga cgtggaagag tatcgctctg 360  
tcttcttgta cctgatcaca ttccaaggcc tccttatgtt gagtctgggt gtattaccgg 420  
gatatatcaa gtgagttcca gattcctggt cctgaaggca ttgcgaaaat gagagctgct 480  
tgcgagcttg ctgctcgg 498

<210> 16603  
<211> 517  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-016-Q1-E1-A11

<400> 16603

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gaccacgcg nccgancaaa tgccttggtt gtgtctatgt tcaaagagaa gcaaaatcgc 120  
ctgatttcaa ggggtgatct ggcacagtaa atgaaagagt tcgagaagct catagcaata 180  
aatctgctcc aactattatg ctttttccag aaggaacaac taccaatgga gactacttac 240  
ttacattcaa gacaggtgca tttttggctg gaactccagt tcttcgggta atattaaaat 300  
atccgtatga gcgcttcagt gtggcatggg ataccatata cggggcacgc cacattttat 360  
tccttctctg tcaagtcgta aatcacttgg aagtcatacg gttacctgta tactacccat 420  
cccaaagaag agaaagacga ttccaaactt taagctaaca atgttcggaa attaatggnc 480  
ancganggta acttgattcc atccgaattt ggactta 517

<210> 16604

<211> 437  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-015-Q1-E1-G7

<400> 16604

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atcaatgtct caacatcttt ctttcttctc ctcacctctc tctactccgc cgtctccctc 180  
ctaatacaagc ttctccactt catcggcggc taccctctcc tccaaaggaa tgaagatgaa 240  
tatgattccg cggcattgga ttccgaagaa gaggaggaag aggaagaaga aggggaagaa 300  
ctcaagatgt cgtgtaactc aagttacat gtgatatcta gagatncaaa tccggatttg 360  
atagctgata tagcagacga cggagaatcc ttagtgtttt acaataatat ttctcaagga 420  
ggagtaaata atcaaca 437

<210> 16605  
<211> 403  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-016-Q1-E1-A12

<400> 16605

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ctccgatgac ccatcaaaa cctcaagct ttgcacctcc atccccgttc gtctctaccg 120  
caataccgtt accgcgcct ctattgcttt cgattatgag tactcgttgt tgggtttggc 180  
tgagggaagc agtgagagag ctaagggtcaa acatgaagtc cacctaaggt cagctcaaaa 240  
gcttcaagag ctctgtttta aaaatggagg aatctatatc aaactcggcc aacatatagg 300  
acaactagaa tatcttgtgc ctgaagagta tgttcgtact aatgaaggga atccaatgtt 360  
gaacaaatgc cctaattcct caatatgaac aagttantga ggt 403

<210> 16606  
<211> 103  
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-016-Q1-E1-A5

<400> 16606

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aaattgtggn tttttcaaaa aaaaaaaaaa aaaaaggggg ggg 103

<210> 16607

<211> 666

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-016-Q1-E1-A6

<400> 16607

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ggatctctcc gccgccggaa agctttatca gtccggtgct cgtctggcga tgagaacgct 180

ccttcgccat cgggtggtgat ggactccgat ttcgacgcca aggtgttccg taagaacttg 240

acgagaagcg ataattacaa tcgtaaaggg ttcggtcata aggaggagac actcaagctc 300

atgaatcgag agtacaccag tgatatattg gagacactga aaacaaatgg gtatacttat 360

tcttggggag atgttactgt gaaactcgct aaagcatatg gtttttgctg ggggtgttnac 420

cgtgctgttc anattgcata tgaagcacia aagcantttc aaagganagn nttggnttac 480

taacaaatca tcataaccgg accgtcataa naggttgga natatggtgt taaattatcc 540

ggttgaggat taaagaacan ttgntgtntt aanaaaatna gtggtacctc cngcttggac 600

tgggttacaa atttnttcta annnaaaagn caattntnan canttcctgg taaagnctgg 660

aaagtt 666

<210> 16608

<211> 484

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-014-Q1-E1-E5

<400> 16608

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nncaanacgc gtccgcccac gcgtccgccc acgcgtccgc ggtgaagcag ttgatgagct 120  
ttgatccagg ggaatggagt gagagtttaa ggaaagagta tcttcttgtc atcganggct 180  
tcttctctct tcctctccct ctcttctcca ccacttaccg caaagccatc caagcgcgga 240  
ggaaggtggc ggaggcggtg acggtggtgg tgatgaaaag gagggaggag gaggaagaag 300  
gagcggagag aaagaaagat atgcttgccg ngttgcttgc ngcggatgat ggattttccg 360  
atgaanagat tgttgacttc ttggtggctt tactttgtca ccggttatga aaanaanctc 420  
caanattaan actntcgccg gtcaaatttt caccgnagat ccctttactc ttgccaanctc 480  
aagg 484

<210> 16609

<211> 108

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-014-Q1-E1-E6

<400> 16609

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ttcttcttat ccgcaacatg tggattcctt gtgttgaatt cganttgg 108

<210> 16610

<211> 508

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-014-Q1-E1-E9

<400> 16610

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gaactctctg atctccgctt ctcttcgcca acaaagtctg accgctcctc tctccggctt 120  
ctttctcact tcactttctc ctcttcaatc ttctctccag aaactctctc ttognacttn 180  
gtccaccgctc gcttgctctc caccgcctc ttcttcttcc tcattctcct cctcctcgtc 240

ttcccggttcc gttccaacgc ttatccgtaa cgagccagtt tttgccgctc ctgctcctat 300  
cattgnccct tattggagtg aagagatggg aaccgaagca tacgacgagg ctattgaagc 360  
tctcaagaag cttctcatcg agaaggaaga gctaaagacg gttgcagcgg caaangtgga 420  
gcaagattac ancggttctt canaacaggg tacttcatcc ganaaggaaa gctttcngac 480  
cccggtcgaa atcattaagc aagggttt 508

<210> 16611  
<211> 65  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-014-Q1-E1-F10

<400> 16611

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gccgg 65

<210> 16612  
<211> 507  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-014-Q1-E1-F11

<400> 16612

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gtccgnagac gcgtnggcgg acgctgggt ccagaacctt ctagatctcg aggaaccac 120  
attccaaaac gaggtcgtgg agaattcaa agatggtttg ggtttggttc ttgaagactt 180  
ctatcaactc gccggtaagc tggccaagga cgatgaagga gtcttccgtg ttgagtacga 240  
cgctgaagac tcagagatca acggcgtaga gttctccgctc gctcatgctg ctgacgtaac 300  
cgctgatgat ctaacggctg aggacgggac ggctaagttc aaggagttgg ttccttataa 360  
tgggatcttg aacttggaag gacttagcag accactcctt gctgtccagg tgaccaagct 420  
aaaagatggg cttgcaatgg gcctagcttt caatcacgca gtcttagacg ggacatccac 480  
gtggcanttt atgaactcat ggggccg 507

<210> 16613  
 <211> 482  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-F5

<400> 16613

gtgnggaaat ccnagntn tcgtaccgga agancnattc ccggnncnc ccacgcgtca 60  
 gtattctatt tactaaaacc tccaaggac caaagaacat cgacaaagga agacgacgaa 120  
 gaagatttcg agcttcgaca aatcatgcgg attcttactg ctgcgatagc tancnatttt 180  
 tgcagggcac gaaacgcgaa tctcgcgtct cgaaatttct cctcgtcgaa caagaaagat 240  
 gaccttacat tggaggaaga agctgagagg aaaatagggt ggtgtctcaa aattttcttt 300  
 gcgggcacag caacgtatat tggntaccag tttttccctt acttaggtga taacttaatt 360  
 catcaatcaa tatcgctttt acatgtgaag gatcctttgt ttaagaaaat gggagcctct 420  
 cgggcttccc gtttcgctat tgatgatgaa aggagggatg aanggtgtan agatgggtgg 480  
 gg 482

<210> 16614  
 <211> 481  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-F7

<400> 16614

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 nggagatatt tttatcgag tgagaaagaa acacaaaaaa tgcagaatca aaggcttatt 120  
 aagcagcaac aacaacaaca acaacagcaa catcaacaag ctatgattca acaagctatg 180  
 atgcaacaac atccttctct ttatcatcct ggtgttatgg ctctcctca gatggagcct 240  
 ttaccaagtg gaaaccttcc tctggtttt gatccaacta cttgccgtag tgtgtatgct 300  
 ggaaacattc atacgcaggt cacagagatt cttcttcaag agatttttgc aagtactggt 360  
 cctattgaaa gctgtaaact catcagaaag gataagtcac catatggatt tggtcactac 420



tttgatcgaa gatgtgctag tatggctata atgactctta acggaaggna tatatttgga 480

c 481

<210> 16615  
<211> 478  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-014-Q1-E1-F8

<400> 16615

ntnngaangt cnnecatgntn nncgtacgga naancaattc ccggggccac gcactcngaa 60  
naaacgaagg atataactct gagatttggtg taagcattct tctttgagat tttccgaggt 120  
cacaagtcag tacacaaagg aagttccttt tttgggtttt ggggtctgct ttgtgtcagt 180  
gatttttagga ttgcttcatt tgccacacat ttccaatctc ttaagtagtt ggcggcgaag 240  
atgggtttcc tgataggggg ctcttgcttc gtcccttctg ttcctctaca ctctcgattc 300  
ctttcatctc cttcttcttc ttcttcttct tctcttctt cgtctcagtt tgggcttctg 360  
tgttcgagta atgtcgccaa gttcaagcgc cgacgaccaa cattggcttc tttaaaccaa 420  
ggaagatggg tacgaatatg acgttgcttc cgccaaaang anggcttccn tcttggtg 478

<210> 16616  
<211> 504  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-014-Q1-E1-F9

<400> 16616

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cggaagagga nagttctaac acatccctga caaatactct tgctgaattt gatcccttct 120  
ccccatcatc gttgtacccc gaacatgaga tcaatgctac ttctgatctc aacatggacc 180  
aggattacga tttttcacia tttttcgaaa aattcggagg agataaccac aatgaggaga 240  
acagtatgaa tgatctcctt atgtccgatg tttcccaaga agtctcatca actagcgttg 300  
atgatcaaga caatatggta ggaaacttcg agggatggtc aaattatctt cttgaccata 360

ccaattttat gtatgacacc gactcagact cgcttgaaaa gcatttcata tgagtcttca 420  
 tatccaaaca gaaagggttca aactattcga cgacttaaaa taatgggtcc tgtcccaagg 480  
 gttingtccat tactaactcg cccc 504

<210> 16617  
 <211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-G1  
 <400> 16617

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 tttgcaacag agagaatcat ggagagagct atggaaagac aaaagatatt gcntcgtcat 120  
 ctcaatccag tttcttcttc taattcttct cttaaacaatg aaccttctct tctgtctcct 180  
 gtgaattgtg tttctgaagt ttccccaatg gctgcttttg gagatgacat tgtgattgta 240  
 gcggcatatc gtaccgccat ttgcaaagcg agacgtggag gtttcaaaga cactcttctc 300  
 gatgatcttc ttgcttctgt tcttaaggct gtagtggaag gaacatcttt ggattcaagt 360  
 gaagttggtg atancgttgt tggtagcgtg atancgcctg gttctcagag agcaa 415

<210> 16618  
 <211> 508  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-G11  
 <400> 16618

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 gcctccgcat tgaggtaaag aagatatata gtagcatgaa agctgctggt tacttaccca 120  
 caatccgcct ttataggatg atgattgagc ttctctgcaa agggaaacga gttagagatg 180  
 ctgaaattat ggtctctgaa atggaagagg ccaatttcaa ggttgagctt gctatatgga 240  
 attccatgct gaagatgtat acggctatcg aggattacaa gaagacagtt caagtatacc 300  
 agaggataaa agaaactgga ctggaaccag acgagaccac ttacaatact ctgattataa 360

tgtattgtag agacagacga ccagaagaag ggtacttgct tatgcagcaa atgagaaatc 420  
 ttggtttggg cccaaaactg gacacataca agagcttgat ctctgctttt ggtaagcaaa 480  
 aatgccttga acaagctgaa caactgtt 508

<210> 16619  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-G12  
 <400> 16619

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 tctgctgata aattactgtc tttccgcctt aagaattctc aaaccatca tctccctttc 120  
 tctgctttca tcaatggagg aagaaagata cgcaaagct caactatcac ctttgctacc 180  
 gacactgtca cttacaatgg cactacaagt gcggaagtaa aaagctctgt tgaggatcca 240  
 atgggaaagt tgaggttget gaaaggntac actatggctc aattttgtga caaagattan 300  
 tgatccctcc ttgaatgaga aacctaaagt ttaacaatgg gagacttatt gggtttaaga 360  
 aataatggga caaagtncaa tgtaaattc caataancgn tgcanaatnc naacctgata 420  
 ccgaaactga tc 432

<210> 16620  
 <211> 423  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB25-014-Q1-E1-E4  
 <400> 16620

aactccacgt tggcccttgt tgtgtccatc ccgtctcgcc gtttgaaacg tattcgttgt 60  
 tcgctccatc agtccaatcc gtcaaagttg gagagaaagg ttttcatgtc gtcaaataag 120  
 aatatatatg ctgaaagaca ttggatgtat gaaagaatcg atcctacaac caatcgagta 180  
 tcacaagctt tttatgaagg attggacaat tttttgaagt ttgcaaaaag tcagccttta 240  
 tttttggaga ataaaaaact tttttgtccg tgtattaagt gtggaaatgg aggaagacaa 300

caagaagaac acatcgtggc aacacatttg ttcaacaaag gttttatgct taactactgg 360  
 gtttggaactt ctcatggggg aagattataa tatgttaata aacaacaatt ctgaaagaag 420  
 ata 423

<210> 16621  
 <211> 478  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-G4  
 <400> 16621

gnntnnnnnaa gttttctgcn ntcgtangga aannnactcg ggccgccacg cgteccgaaa 60  
 anttggtgtc aacgctcaga caagaaaggc gtgtgttcat tgttgaatct tcccatttcc 120  
 tcattccaaat tccgacataa ctatcctagc cgccatttgt tctccacatt ngnaaaccct 180  
 cagcagcttc aaaactcttc cgatctctcc ctcaagctcg caattctctc gtctccattt 240  
 taatagtttt tcttctcgga atcacaaatc ttcggttct tgttccttgg cgtgtgtgtg 300  
 tgttggtgaa tggctcttgt tcagcggatt ccaanttcct cctccagtat tcggaattgg 360  
 naacaagcga ggaccaattt gactcctatt tgttggttac attacannac tgnatcctcc 420  
 tcttcttcaa ncnttacaga gaaacactct gtggagagat accaaaggga tcaatggg 478

<210> 16622  
 <211> 473  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-G6  
 <400> 16622

ccnctggnn gntcngcgag tcgacaatga attcgcgnng ccacgcagtc cggaccaaat 60  
 ctttctcctt tgggtggcaaa cacaacgaca gatannnaga aacgatggcg tcaaactcgc 120  
 ttatganctg tggcatatcc gccgtgtacc cttegttct ctcttcncc aagtctaaat 180  
 tcgtatccgc cggagtcca ctccaaacg ccgggaatgt tggtcgtatc agaatggctg 240  
 ctcaactggat gcctggcgan ccacgaccag cttaccttga cggttctgct cctggtgact 300

ttggggtttga cccacttgga cttggataag ttccaacgaa ccttgagaga taaaaagagt 360  
cagagctcat ccactgtaga tgggctatgc tcgctgttcc tggggatttg gtncaanaag 420  
catnaaggta tngaaactgg gttaaaggtn aaggatnnaa canttacaaa ggg 473

<210> 16623  
<211> 403  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-014-Q1-E1-G7  
<400> 16623

tttcttgaag cagggattct tctaatacatt aatccctact tctttctttc ttttttgttt 60  
gttctccttt gagatctatc tagtactagt agtaanancc cctccccctcc attgaatttg 120  
aattgaattg aatctctggg aatcaaactct ttgatgtcgc atctggacga cattccttct 180  
acgcctggga aattcaagat gatggataaa tcccccttct tcttgcaccg tactcgttgg 240  
caatectccg tcgccaagct tgccttttgg tcccttgtct ttttcggatt gctcttcatc 300  
ttcttctacc gatctcccat ctccaatccc gattcctctc gccgctctct tcgcacctac 360  
tcttggggcg gtcccgctg ggagaaacgc gtccgatact ccg 403

<210> 16624  
<211> 497  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-014-Q1-E1-B9  
<400> 16624

tgngatcttc cnacgnacgt ncgnnccgtn acggnacacag nccnccagg cctccgaatt 60  
ccctcactta tctcaatga aaaaaataat ctgagaaaac gcaaaagaag aacggagcaa 120  
aatcctcaga atcgtcgccg gagaatcttt acgtttcgac ataatcgga ttttggnatt 180  
gataattccg atggaagggg ttatcacatg tttccatacg aaatgcgtct ctcttccaat 240  
tcgttctttc ccactttcta gggtttcttc acttctcggg tggaggaaca ataaattgat 300  
ctcttcatcg cgatcgggtc atctaagaag cttgtgcgtt tcgagctcag atactttagt 360

cgcgagcggg tcaccaaagg aagacgagag gcanagcaaa gtatcgagca agaaggaagg 420  
 agatgactcc gaaggattng aagtttggat ngtaaaatgg gttgcacnt gcaanggtat 480  
 cccaaggaga gacaacc 497

<210> 16625  
 <211> 477  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-C1  
 <400> 16625

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 naaancgtcc gccacgcgt ccgcggacgc gtgggcctgt cttcatatcc aacagagatc 120  
 tcttcatggc tccaattact gtcggcgatg ttgtaccaga cggaactatc tctntcttcg 180  
 atgaaaatga tcagcttcag accgtctctg ttcactctat cgccgccggg aaaaaaagtc 240  
 attctctttg gtgttcctgg tgctttcact cccacatgca gcatgagcca tgtgcctgga 300  
 ttcattggga aagcagagga gctgaagtca aagggtatcg atgagatcat ttgcttttagt 360  
 gtgaatgatc catttgtgat gaaangnatg gggaaagana tanannagaa caancatgtn 420  
 aagtttgtan cagatggggtc tggagaatat acagatcntc ttgggnttgn gcntggg 477

<210> 16626  
 <211> 480  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-C2  
 <400> 16626

tgnggaatgt ccctcagtgg tcgcgggtcca tttncacggg nccagccacg cgtccggant 60  
 aagctccctt tttcttatcc ggaaacaaaa aacttccggg gataaaacct ccttcgtcat 120  
 ctctctactt cttggataaa atggcgtcaa ctttctactgc cacatcttcg nngggttcaa 180  
 tggttgctcc gaatgggtcac aaatctgata agaaacttat cagcaagttg tcttcaagct 240  
 catttggaag gagacaaagt gtgtgtccta agaccagaa gatccagttc tgcaattgtg 300

tgcgagcaa aggaattaca tttcaacaaa gatgggacta ccattaggag acttcaagct 360  
 ggtgtcaaca agctcgaga tcttggtgtt gttacacttg gncccaaagg acgaaatgtt 420  
 gttcttgana gcaaagtatg gnttaccang aattgttaat gatggtgtga ctggtngcag 480

<210> 16627  
 <211> 80  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-C3  
 <400> 16627

ttggtagatg gtgttgacat tgaaganttt gcacnagttt tccgttttcc tgatcactgg 60  
 ggaataatcn attactgtnc 80

<210> 16628  
 <211> 343  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-C6  
 <400> 16628

tgctggtata aggccatgtg tttcctcatt tgggtgctgac cagtttgatg agaagagcaa 60  
 agactacaag acacatttag accgtttctt caacttcnnc gagctatcgg tcactttagg 120  
 cgcaatcatt gccttcactt tgggtggtata tgttcaaag gaacttggtt ggggtatggc 180  
 ttttggcaca ttggccgtag ccatggggat ttctaacgct ttgttctttg ctggtanacc 240  
 gctttatcgg anaggttgcc tgntgntagt cccttgacta ggggtanctca ggtctnantt 300  
 gcgggttttcg gaaaacaaaa ngcantttna aaaggnatta ant 343

<210> 16629  
 <211> 480  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-C7  
 <400> 16629

ggnnngggata atcnncnangn ncntcgtacc gganatcnat tcccgggncc acccacgcgt 60  
 cananngatt cagaggggttg ctctagccat tgctcctcgt cctgggtcca atatcagtc 120  
 aatatctgtt cccacttccc ctgaagctct cactctggtc cgttggatct cccggagtta 180  
 cagccttcac actggtgcag atctcttttg atctgattct caaaccagtg gtgacacgtt 240  
 gctgcatcaa ctctggaatc actctgatgc aatcttgtgc tgctccctca aaacaaacgc 300  
 ttcaccggtt ttcacattcg caaaccaaac cggtttagac atgctggaaa cgactcttgt 360  
 agcccttcaa gacataatgc tagacaagac ccttgacgaa cctggtcgta aagctctttg 420  
 ctctgagttc cccaagatca tgcaacangg ctatgctcat ctgccggcag gagtatgtng 480

<210> 16630  
 <211> 483  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-C8  
  
 <400> 16630

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 aaaaatgtcg ggtanaggag aaggaccagc tatcggatc gatcttggtta ccactactc 120  
 ttgcgtcgga gtatggcanc acgaccgtgt tgagatcatt gctaagatg agggaaacag 180  
 anccaegcca tcttacgttg ctttcaccga ctccgagagg ttgatcgggtg acgcagctaa 240  
 gaatcaggtc gccatgaacc ccgttaacac cgttttcgac gctaagagtt gatcggtcgg 300  
 tccgtttctc ctgacaactc tgttcaagag tgacatgaaa ttgtggncat tcaaagattc 360  
 aaagcccggc ctgccgataa gccaatgatn tacgtccaat acaaaggtna aagagaaaga 420  
 nttcccaact gaaggagaat tcttccatgg ntccataata natgccttga gaatgctgag 480  
 gct 483

<210> 16631  
 <211> 511  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-C9



<400> 16631

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taaagtgaat tgagtcagag ataaanagan agagagaang taacatggat gcttgtnttc 180  
ttacctcaag atcaatctct ggtgttaaag agcttgtccc gttcatcaaa gcgagaatct 240  
ttacttgccc caagagaaat tctggccaat ttgttaccag gaagggtgct tctccgatct 300  
ctgtaaattg ttctctttcg gattcatgga agccactgga agatgatgct gatctcttca 360  
nggattgtgt caacaattct acatcagatg ctgattggag ggagttcang gcaaaggctt 420  
gtttgcaggg gaacaagctg caacgntccg anaaggatna gccctccgtn gttcnaacct 480  
ggacattggt ggtgggacna atcanccaac c 511

<210> 16632

<211> 463

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-014-Q1-E1-D1

<400> 16632

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ccgcannacc cctgtaatgg cgcttcacaca cgtagtctct tcaccttctt caacttcatt 120  
atctccttcc ttcaaattcca aaccaccgtt tcaactccctt agatctttat caccganggn 180  
tgataatcgc cggcgttgta aactcaacag ttccttccga tgttcatctt cttcattctc 240  
cgagaagcat cacaacgcga aatctccaaa atccgatgat atcgtcgagc ttcctctgtt 300  
tccactccca ctcgttctct tccccggagc aatccttccct cgtcagatnt tcgaattccg 360  
ttaacgnatc atggatgcac aaggctctc caatcctgat ttaagaaatt nggggnaatt 420  
taaatnccgg ntttcggttt ncnggggntt cggncgggna nga 463

<210> 16633

<211> 446

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-014-Q1-E1-D12

<400> 16633

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ctatgggnat gagctttcat cgtcttctc aggcattgca tatgataccc agaaacccta 120  
cgcaatcatc gangaattta gggttttctt cgtttctatc gtgtgcacca tcnatggntt 180  
ctcgtatatc agtttctagg ctttctctga atcatcccgg ctcgaaattt gggttctcac 240  
tcgatactag ggtgagaaat gagtttatcg ttngagcaga ngaaggtaac acagaagctg 300  
aatctgaaga atttgttgct gaaatcgctg atacggangg aaatgttagg aagtggtcga 360  
agctanacct anaaganaac ctaggggttaa agctcggng atgtcatggg gatactgaac 420  
cacnaagcc atttgagggn gcnagc 446

<210> 16634  
<211> 478  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-014-Q1-E1-D3

<400> 16634

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naatttttgt gtttcgcgaa cagcaagttg agctatgggtg aaggagagtg agtactacga 120  
catattaggc gtcaagattg acgcctctgg tgctgagatt aagaaagctt atnatgttca 180  
agcaaggcaa gttcatccag acaagaaccc tggatgacct caagctgcta aaaactttca 240  
gatactaggt gaagcttatc aagttctagg cgatccggag aagcgtacag cttatgacaa 300  
atatggaaaa gaaggggttc aacaggatgc aatgggtgat cctgcagctg tgtttggtat 360  
gctctttggt agcgagctct ttgaggatta cggtgggcaa cttgcccttg cttcagcagc 420  
ctcaatcgat gctgaattag aatcgatatga gcctgagatt agaaaacaga tgcttcag 478

<210> 16635  
<211> 421  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-014-Q1-E1-B2

<400> 16635

angcgtccgg gaaaagtcc attgtcttgc ttctttcgtc ggagggctct ctttgggctt 60  
tccgaaaagg tatcacatgc caagtttggc ctcacggtat agaagttata gagtcataaa 120  
gttttaacca aaaaaaaaaa aaaaaaaaaa agggatgcaa cacgaggact tcccgggagg 180  
tcacccatcc tagtactact ctgcaccaag cacgcttaac tgcgaggattc tgatgggac 240  
cgggtgcatta gtgctggtat gatcgcatcc gttagtatat gcaatgcaat cgtatctatt 300  
ccttttttaa agtcntgatg aaccgttcgc cgtgggtccc aaccgccatg caaggataac 360  
ccatctaadc ctaacganct ttgatgcatg aaaaatattc caaacantg cttgaaaaat 420  
t 421

<210> 16636  
<211> 270  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-014-Q1-E1-D4

<400> 16636

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tttccctctt ctgatccac cactaccacc aacctcaaaa gctttcatct tnnnggtca 120  
tggtcgggtg ttcaggtcaa ccggcggctg atacatgaga tgacagaagc tcctggagg 180  
tttcccggcg cggttccatc gcctcatgat gcctgggatt gcgaanattc ngngantct 240  
tagcnatggt ggaangttta ctcagtanaa 270

<210> 16637  
<211> 403  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-014-Q1-E1-D5

<400> 16637

ataatttcgt gtgattaatc tatggagttg gaatttgaat caaagtacga gattaaccgt 60

acggcggagt tcattattag caaaagcttc accagaattg ctttacagtt cccggatgag 120  
 ttgttaaaag attcgactaa ggctgtgagt gctcttaaga gcaaaactcg ttgtcttact 180  
 gacagagaag tcaggttctt tgtaatggct gacacaactt atggtagttg ctgtattgat 240  
 gaagttggag ctttgcata t gattctgaa tgtgttggtc attacggtca aacatgtcta 300  
 agccccacat cagttcttcc aacattcttc cgtttttggg aaaacctcga taaacgtccc 360  
 caactgtgtt aancatttga tagattaagc cgtcaaagaa cga 403

<210> 16638  
 <211> 421  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB25-014-Q1-E1-D7  
 <400> 16638

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 tcggatatgt gacaaaaagc ttagtgataa caaggttagc tacggagttt tctttggaaa 180  
 tcaaaagcat ctgccatcac gcgtcatgaa gaataaatg gaggtcgaga aaaccaaga 240  
 tagaaatgaa aagtattggt tacaagaagc ccatgttccc ctatacttga tcaaagaatt 300  
 tgaagagagc ttgcatagag tacaatgcc ttcttcaacc aagaagccat ccaagaaatt 360  
 atcaaagctt cagagaaagc agctgaaagc ttccctcatg gacatatatt catatatagc 420  
 c 421

<210> 16639  
 <211> 91  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-D8  
 <400> 16639

ncctttccac ccgcaggaga cacatntgtc gcgaaacnag aaacatctct ttcagatagg 60  
 angagatcgt gacattcgct gatgattccg t 91

<210> 16640  
 <211> 67  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-014-Q1-E1-E10

<400> 16640

tancgagagt attgagtttt tacctacagt ggatatccaa tgcantgtgc ttctacntgt 60  
 ttctctgt 67

<210> 16641  
 <211> 456  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-013-Q1-E1-G9

<400> 16641

tcncctttctc tgttgttaca gaagtcgacg gcgagtacct tcaacccaaa ngaaacacaa 60  
 gtacctggnc caagcattgg aattttncaa gaaggcaaaa nctatncaaa ngcgtacagt 120  
 cacaacaagt tatctaacag caagacgaac gattaaagaa aaccgtaact caaaaaccgt 180  
 taacggatct accaaaaaac gtcctgatgg gaccgtcgaa ccggttcgtg attctttcat 240  
 gttattcgtc ttaaaagctg ttacggtaag tacttaaccg cttctaacga gcggttcttg 300  
 ctcggggcta cggggaagaa agtgattcag ttgaaactga gtcnggttga ttcgtctgtt 360  
 gagtgggaan cgcttagaga aaggtctaaa gattaagctt aagactaaat ntggtaacta 420  
 attacgaggt aatgggggnc ctctccctg ggagaa 456

<210> 16642  
 <211> 58  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-013-Q1-E1-H11

<400> 16642

atccgcttat tctctntgag ctatcccgnt gaaatctatc actacgatat gattctta 58

<210> 16643  
 <211> 147  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-013-Q1-E1-H2

<400> 16643

aatgttaagt tactgatcgc gtcgtgttac tgtagttgg cttattgata ttttacattt 60  
 tctctctttt taactttggc gaatggatac tttatcgaga tatttaatgc tatggttgct 120  
 catcagaaaa aaaaaaaaaa agggcgg 147

<210> 16644  
 <211> 442  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-013-Q1-E1-H3

<400> 16644

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 agagcctccg tttcttcagc tcttctctct tcttcccaat tgaccattt gaaatcaccc 120  
 ttcaaagctg tcaaataac gcccttgcca tcgtctcgct ccaagtcac atccttctcc 180  
 gtctcttgca ccatcgccaa ggacccgcct gttctcatgg ccgccggatc tgacccggcc 240  
 ctgtggcaac gacccgattc gttcggtcgg tttgggaagt ttggtgggaa gtatgtacct 300  
 gaaaccctta tgcacgctct atctgagctt gaatccgctt tccaatgctc cttgccaacg 360  
 acgatgaatt tcaagagaga attggntggn atcctgaaag ggctatgttg ggtaaaagaa 420  
 aatcctcng tantttggaa na 442

<210> 16645  
 <211> 444  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-013-Q1-E1-H4

<400> 16645

ttccttgtag cacacgatcc ttatagctca tcatctaata gccatnttaa tccgccagag 60  
aanaagaaga agaagaaaat agattaggggt ttttcattcc agaataagccc naatccaaat 120  
tcgaaatctt tcttctgatt ttgatctttc cgatcatgtc atcgggtctgt gttaacgaag 180  
cattaaccga tgacgagctg agatgggtat tgcgagact acacagtgat aaagataagg 240  
aagtgtttgg tttgggtctgc aagaggtggc taaatctgca gagtaccgac cggaagaagc 300  
tanccgcacg tgctgggtcca catatgctcc gccgtctcgc ttctangttc actcaaactcg 360  
tcnaantgga tttgtcncaa tcaatttcta ggtcccttta tccangagtt actgattccg 420  
acctcgctgt tacccttgag ggaa 444

<210> 16646  
<211> 429  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-013-Q1-E1-H5  
<400> 16646

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gcgaaaatga caatcgggta cagagacgcc gccggagacc cgctcttccc gtggcttatg 120  
gagattaaaa attcgatgga ggatctatac gctggtaaaa attccggata cgatctcgat 180  
aagctttctat ttgattgtat ctcaacttat aagaaagatt ctcggtaccg aaatgacctc 240  
agattcctca agatctggnt tctctatctt gaaggcangg aagattttga gagggtttat 300  
agagaaattg aagagactga gatatgtaaa ggggnattcnt tgctctatga atggnatgcn 360  
attttcctga aggcaaagga ttgtggcnaa naacaaantc ngttaacaaa ctggtccttc 420  
aangaaagt 429

<210> 16647  
<211> 436  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB25-013-Q1-E1-H6  
<400> 16647

ataatatgag agatagacaa atgtaaagaa aaacacagag agaaaattag ttttaattaat 60  
ctctcaaata tatacaaata ttaaaacttc ttcttcttca attacaattc tcattctttt 120  
tttcttggtc ttatattgta gttgcaagaa agttaaaaga ttttgacttt tcttgtttca 180  
gatttcagca aatgggatcg attttaagct tcgtctgggt taaaagcttg gatcctatct 240  
gaagacagaa caaagggttct tgcttttgat tcattgcca ttttgagaag atgttcgaag 300  
gtcgtcctcg tgattcttgt ctaagtttca acacttttca ccatgccaag ccataaagaa 360  
acgaaatgga gctttttggg ttccgggaaa cgatctttct caacaacgat gagtctgac 420  
tcactcaaga agatgt 436

<210> 16648  
<211> 513  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-013-Q1-E1-H9  
<400> 16648

gntnnnggaa ctgtntattn gcccgcnnng gtccgaaacn ncncgggtcc ntccacgcnt 60  
ccgcncacac gtccgggcaa agggcattgg cnaaaaataa taagacactc gttagagtgc 120  
tcgtccctcg tgcccttacc tgcttaattc caactatctg gcaaaatcat gactttgatg 180  
caagatgccg agttgaaacc aaggatgggt tcttttaaga agaggagctc ttctaagaat 240  
ttgaggtatt caatgacaaa gagaagaaga agtagcaaag tgatgtctgt ggagatcatc 300  
gaagatgtgc atgacgcaga ggagttgaaa gccgttgatg cttttcgcca atcgcttatt 360  
ctcgatgagc tactcccga gaaacacgat gactaccata tgatgcttan atttttgaag 420  
gctagaaaat ttgatcttga gaaaacaaa cagatgtgga ctgaaatgct tagatgggan 480  
gaaagaatth ggtgctgata ctgtcatgga ggg 513

<210> 16649  
<211> 423  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-014-Q1-E1-A2



<400> 16649

naatacacaa acttcattca ctctctccca ttctcggatc tctctcagtg cacagtgggt 60  
gtcactcttc tcctttgggc gaaactcttt cttggaaaga gcattttgtt atcaagactc 120  
tgaagagctc ttttgggagg atagtaaggt tggatgatga gagggagatc tgatggaggc 180  
ctaaagaagc ggcttattgc ttccggtctgt gtcgtggctc tattcgtctg tttcttgttt 240  
atgtactatg gttcctctag ccaaggtgca tcagcattgg aatatggaag atctttgaga 300  
aaactcggat cgtcttantt gagtgggaga tgatgataat ggtgatacca aacaggatga 360  
ttccgtggct aaatgcagaa agacagtcen tgggtgtcncc aaaagttttc ccggtttggt 420  
gaa 423

<210> 16650

<211> 478

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-014-Q1-E1-A3

<400> 16650

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aaatattctc tcggtttttt ccagagcgta tattcaaatt cttccttaaa aagtaaaaat 120  
taatctgatt ctctctacta ctactactac gatgggtgag aaaaaggaag aannggcgac 180  
gaaacctcaa ggagagaaga aacctaccga tgggtggaatc accaccgtcg ttatgaagct 240  
tgatatgcat tgtgaagggt gcggcaaaaa aatcaaacgc atcttcaaac atttcaaagg 300  
tgtggaagat gtgaagattg attataagag taacaaattg acggtgatcg gaaacgtaga 360  
tccagtggaa gttcgtgata aagtggccga caaaatttaa gagaccagtc gaacttgtct 420  
ctacagtagc cgccgccgaa gaaagagaca ctcttcatc aggnnggtgca gagaaaaa 478

<210> 16651

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-014-Q1-E1-A4

<400> 16651

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tttgatgatt gtctctgata ttgatcatac tatggntgat catcatgata ntgagantct 120  
atctctgctg agattcaatt cgttgtggga acacgcttat cgccatgact ctttcttctgt 180  
gtnttctacy ggaagatcac cgacattgta tagtagaact cagnnaggag aaacctttgt 240  
tgagccctga tattaccatt atgtctgtag gaactgagat tacttatggg aactctatgg 300  
ttcctgatca tggttgggtt gangctctga acnattnatg ggatttgggt attgtcaaac 360  
aagaagctaa catcttccct ganttaaagc ttcaagcaga aactgancat anggc 415

<210> 16652

<211> 512

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-013-Q1-E1-G8

<400> 16652

nnnnnnngnan tgtttacgtt gnccggccgg taccgaaacc aanattcgcg gtcgaccca 60  
cgcgtccgaa actatctctt ccacgacgtc gtcttcttcg tctccgtcct gcgatgtaga 120  
cgttgacaat cgtggaaaac aattaactcc ttctacaaga cgatctcgag ccggcttctc 180  
tgattctttc tcttctcatg atttatcatc attctgtcga gatgaagaag taaaaacatt 240  
ctgccccatc aaatcggaat cagacgatga attattaagg agcatagaag ccgaaacttc 300  
atcttccgtg gtgagcacgt cagactcatc agaaactcat caccatcacc atcatcatca 360  
ttcgtctgga ggtcccaaca acggtcactg ggagaagagg tttcttccgt ttgcttaaga 420  
aaggttatcc gcaatgccat tcaacacgtt cacacctctc aaaggagttc cgaaactgac 480  
cagacggaag agcaaaacca taagggacaa ca 512

<210> 16653

<211> 474

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-014-Q1-E1-A5

<400> 16653

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gcattatttt gttaacaaaa aaaaagaaga attatctggc aaagtgttta atttccgaga 120  
aagttgaagc agagaagcag aaagtttcag aattctcttt tctccaagtt taacgctttt 180  
ttagctcaaa gctcacacac acgaccactc tattcctcct ttaacctttg tgtttgtcaa 240  
tttgtgtttc ctcttttgtc gactcatttc tcgattcaat ctcgattttt tttttttttt 300  
tttttangga aatctaata acttttttta tggatttgat ctgttaaagt ttcgattaat 360  
aagatagtgg tttaggttta cggttttgta attgatttat tatctgtaat gggttgtgag 420  
gtttcaaagt tatctgcaact ttgttgtgtt tcagagtctg gaagatcgaa tcct 474

<210> 16654

<211> 481

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-014-Q1-E1-A6

<400> 16654

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gaatggagag cacgaagatt gtccttcat tcgatcgtgc cagtgagctt aaagctttcg 120  
atgagacgaa gactggtgtg aaaggactcg ttgactctgg aatctcaaag attcnacgca 180  
ttttccatca ctcatctgtc gaactagcaa accctaaacc acttcctcgc gacctgctac 240  
atctcaagac gatcccaacg atcgatctcg gaggacggga cttccaggac gcgattaagc 300  
acaagaacgc gattgaaggg attaaagaag cagctgccaa gtgggggtttc ttccaagtga 360  
tcaaccatgg agtttcgctc gagcttcttg agaagatgaa agatggagtt cgtgactttc 420  
atgagcaacc tcctgaagtg aggaaagatt tgtacagccg cgatttcggc anaaagttta 480  
t 481

<210> 16655

<211> 495

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-014-Q1-E1-A9

<400> 16655

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tccgaacaaa canagaaaac gattacaana gagaagaggt atcanaagga agacaagaat 120  
cttttaacat tttgaaacaa atggcggtcca aagccatctt cttcttcttt gtctctgncg 180  
tgtgnetgtc ctctctcgcc ggtgtggcca tcgctgatgc cgatgacttt gaccgtttcc 240  
aaattcaggg atcggtttat tgtgacacat gccgtgtcca attcgttacc cgtctcagca 300  
agttccttga aggcgcgaaa gtgaagctag aatgcaggag cagaacaaac ggaaccgtaa 360  
cattgacaaa agaagccgta acggacaaaa caggtanctn cacaatggga antgaccgnt 420  
gannatgatg gaagaagttt gcganctttg tgctccgctn aatnatnttg acagtggttg 480  
ncagttgacn ttnac 495

<210> 16656

<211> 500

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-014-Q1-E1-B11

<400> 16656

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tctctcaatc tgatgaaagt tgttgttttt aggttataca gagccgttgg atgataatat 120  
tgaagtattg gtccctgatg atgaccatgg actctatgca attgacattc gagatccctc 180  
ttgggtatag taaagtagct agatattact ttgtgcattg gctacttgta tgcagttggt 240  
aagtttagga gtgaggataa gtaagatgga aattgtatct gcaaccattt ttgtatcata 300  
aagaaggttg ctaatgagga catttccggt cttggagatt tagtatctgt tctttcaaag 360  
ctttctangg gtgctcgtgt tccattggaa tatatgtctc aactgatcg tcatcgcaag 420  
aagcatctga ataatcttcc attttcgttt aaaaaaaca gagattttga ttcctcaatc 480  
aaccgttctt gaaaatcgcc 500

<210> 16657

<211> 752

<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-012-Q1-E1-G5

<400> 16657

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acgcgtcngc aaggatctca gaaaattgct tatctcccta atttcttcat ctccctctaa 120  
actctcttcc agaatccttg ctcaattctc ttcatttggtg atctcggctc tcttatcacg 180  
aagacttctc ccggcggcac cgtcttcaca tttctgctcg tcattctcaa ggaaccaagg 240  
tagaagctca ctctctgtga acgaaacatt tgccttttgt tcggaacgaa atctcacaaa 300  
ttggttctat gatctgcgcg attcgcgtcg tcttctctct ggatctgaag taattgattg 360  
ccattcggtta gctactgtct gccaatTTTT tatgtttgtc ctctctctgg aaccttgaa 420  
tgattcaact ccatccaagt ctgcgtctcc ttgtaattag caccattgaa gcgattcatg 480  
gaangcattg ttgtattggg taagaaacac aancattgaa gcgatgcac aacaaaggtt 540  
tccnttttgg ggattggnag ttcaattaaa tcaatgacct ttgggtgttc cnggagcaag 600  
ataaacatct ctaatgtcaa cggtaaaatn nttaggctga gatccatttg tacnatgggt 660  
cnaatccaga aanctcaacc ncattggtaa agctattng taaggnaaaa atggatcng 720  
tttacaactc cngacnggga aggnatcca ng 752

<210> 16658  
<211> 807  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-012-Q1-E1-G6

<400> 16658

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acatcagaat ctgtgaatcc tagagatgtt tgcattgtgg gtgttgacg tactccaatg 120  
gggtgctttc tcggatctct ttcactttta cctgccacaa agcttggatc tttagctatt 180  
gcagctgctt tgaagagagc aatgttgat ccagctcttg ttcaagaagt tgtctttggc 240  
aatgttctta gtgctaattt gggtaagct cctgctcgtc aagctgcttt aggtgcagga 300

atccctaact ctgttatctg tactacagtt aacaaggttt gtgcatcang catgaaagcg 360  
gtaatgattg ctgctcaaag tatccagtta gggatcaatg atgtaattgt ggcgggtggt 420  
atggaaagca tgtccaatac accaaaaata tttggcanaa ncaaggaang gatcccgttt 480  
ttggggccang aatccttant aaaatggaaa tgtttaaagg atggactaat gggaatgtcn 540  
aataacgaac tgttnggaat nggnaaacct gttcaaaaaa ttatgcccc gaanaaattt 600  
tcaaaaatta caaaggggaa ccancanga atgnacnaaa gccantttca aaaaattttt 660  
taanccctgg ggaaatgcc ggccccaaga aaaaccnngg nnccttttca aatngggaaa 720  
aacctncccc gggtnnaaan ttttccggga agnaaaaang tttggcccn naacaaattt 780  
ttttnaaang ggnnaaaggg cctttgg 807

<210> 16659  
<211> 745  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-012-Q1-E1-G8  
<400> 16659

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aagctgagaa ttgcaactgc ttacaagagc aatgtcgaca agctgatcaa gagtctcttg 120  
gatttgtgct tctgtacttc ttaagaggaa ggtcaaactt tgctttcttg tacggcgggc 180  
atgtcgacga tttcgatcca tcggactgag actctacgaa tcaactcacg tcggtcacga 240  
atcttccggc agagatatcg gagaactatc cctctttgga aattaacaat caattcgaga 300  
tcttctgata catctaagaa ggaagaactc tctgtacaaa tatcaattcc tctcaagtt 360  
gatnaatcaa ganctgaang tttgagattc gatcgtttac aacctccggg agccaagaat 420  
ttggtcatga aagatagaat ttgagttttg gnaaaatccg tancatagag aaacctaagc 480  
cttgaatgaa agaataattg ggnctggaaa cnttgggntt cnttgcaaaa agaagtccac 540  
tnggggaaan atttgctccc aaatggaaaa gggagtttta aanggccaaa tttaaaaagn 600  
aaanaatgtt taaaggggaa ttccaaaggg gccaanaaaa atggcccaa aggtttcccc 660  
ttttnccggg taaaannaaa gggaannnnn aaancccnt nttttaaac gtttcaantt 720

tannccaaaa aaatttttgg gnttt

745

<210> 16660  
<211> 434  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-012-Q1-E1-G9  
  
<400> 16660

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gtctgcttgt cgtaaagaaa tggcgccgag tagacgggat ttacagctta ctenggtcac 120  
nggaggttct tcttccana tcagtgatat ggaagaagtt ggtcttctcg attcgtatca 180  
caacgaagcg aacgccgatg atattttgac taaaatcnaa naangaagag atgtttccgg 240  
tttaaggaag attcangtcg gagtcancgg tatgacttgt gctgcttggt ctaattccgt 300  
tgaagcagct ttgatgaacg ttaatggcgt cttcaaagcc tctgttgctt tgttacanaa 360  
tcgagccgat gtcgtcntcg accctaantt agtcaaggan gaagntataa agaaactata 420  
naagatgctg gntt 434

<210> 16661  
<211> 366  
<212> DNA  
<213> Arabidopsis thaliana'  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-012-Q1-E1-H1  
  
<400> 16661

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ttctgaggaa cggcttataa cactgttgga acaaataaac agccaaacta ccaagcaaac 120  
gaaagtcacg taccaacggc gccgtggggg ggacgacgat taggaaggaa gaagaatatt 180  
atgatgtgct ttgtatatct atggagatct cactgttatg ttagtgagtt cacttaagat 240  
ctacttaa at gtttctgttc aatatgttta ttgtgagtga atcttgatta tcttccaaac 300  
acttgggatg agattaaagc aatctgaaac tgaagctcta aaaaaaaac nnntanannn 360  
cnnnna 366

<210> 16662  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-012-Q1-E1-H12

<400> 16662

gcaagcagcg ggcgagaagt tgaacacaag tgaagctcac aatggcgagg attaaggttc 60  
 acgaattgag ggagaagtcg aagagcgatc ttcaaaagca gctgaaggaa ctcaaagctg 120  
 agctcgctct cctccgtgtc gctaaagtca ccggagggtgc tccaaacaag ctctctaaaa 180  
 tcaaggtcgt gcgtaaatcc atagctcagg ttttgacagt gtcttctcag aagcagaagt 240  
 ctgctctaag agaagcatac aagaacaaga agttgcttcc tcttgatctc cgtcccaaga 300  
 agaccggtgc tattcgtaga cgcctcanca aacaccaagg cctcgttgaa gacagagcgt 360  
 gagaanaaga aggagatgta tttccaataa ngaagtacct atcaaagttt aaagttt 417

<210> 16663  
 <211> 803  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-012-Q1-E1-H3

<400> 16663

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 gaggagtaaa taatatttgt tttaaagaaa tgattctcca caaatggcg ttcttgccg 180  
 ttattctctt cttcttgata agcagcagca gcgtttgcgt tcatagccgt gaaacgtttg 240  
 cttgcgatac aaaggacgca gcaacagcta cactgagatt ctgccagctt tcagttccta 300  
 taccggagag agtcagagat ttgatcggac ggttgacatt ggccgagaaa gtgagcttgt 360  
 tagggaacac tgcggcggcg ataccacgtc taggaatcaa aggttacgag tggtggtcgg 420  
 aggctttaca cggcgtttca aatgtgggaa cccggtacta agttcggtgg ggtttacctg 480  
 cagccaccag tttccctcaa agtcatcaac aacgttgctt cnttcaatgc ctcttctgtg 540



gaatccatcc ggacggggttg tgtcaaatga aggcaagggc catgttcaac ggggtggaant 600  
 ttggtgggct tacgttattg gagcccaaac cgtttacatn attgagggaa ccacntttgg 660  
 ggaacttgga nanggaaacn cccgggtgaa aatncaattn ttncggtaa atacgcaacn 720  
 nnnccaantn caagggttta agggaaaaca accgttnccg gntnaaagtn acccgcntgt 780  
 tgggaaanan ttcaagntnn gat 803

<210> 16664  
 <211> 772  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-012-Q1-E1-H5  
  
 <400> 16664

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 gattgggagt ctttacaagg cttttagcga tcttcgctgc gcttttgaca gcattaagtt 120  
 tggcatttct aaatgacagc tttgcagggt cttttagtga gaaggcgaca cgaaccgtca 180  
 gaagattctc tccacagtta gctgctaaaa tgagacctcc tttgacacct gtcactcgtg 240  
 ggcgtccatc atcanagaga gcaatccatg tatgtgggtca accccgttgg gtttttgtct 300  
 tgacatgctc acttgtgaag ttttgccttt tgggtatattt cctctgggtt gctcaaagtc 360  
 ctccggttgc gccaaactcaa ttgcacatcc ttgcaaacaa attccttcaa tggcaaagcc 420  
 ttgaagaaac aaccgaaacc tttgaaaggg naacgntttt taacaacaat ttttagggga 480  
 aagggaatt tccgaancca anttaanggg cgnttaant tacaanccgn aagaattttt 540  
 aganggttta ancccttggg ttccaaacca anngaatttc gnggggtttcc ggcccnnaag 600  
 ggaacattta anccccgggt ttaangggnc caaaancntt taangggccc ttttcccccc 660  
 aagggattaa aaccgccgggt ttcccgttta aaaacngggt ccaaagggga ngttcaaacc 720  
 cgggattttt ttgccaang nacggggatt anccggtttt tccctggntt tt 772

<210> 16665  
 <211> 444  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations

<223> Clone ID: LIB25-012-Q1-E1-H6

<400> 16665

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tatgggattc agatgggaag aagacgaggg tggaatagga tgtgaagggt tgattgagat 120  
aaagctcgat cattatagcc ataataggaa gatgatgagt aaaacagaga ttgattttca 180  
tgcagaggaa gatggtttga tcgagatcga tctttttcca tgaagaagaa gaagatgatg 240  
attctctttg tgcttccgat tagaaagcat ttttccgatt agaaagaaag aaaaagaagc 300  
aacaattaat ggttggttcan ttttttctat acgaatatca tttgtgtaaa tattattata 360  
cgaatgtaat tcaattttca actttttaca caangattaa ttaatctccg aaaaaacnnn 420  
tnnnncnnntc nnnngnnnnnt gntc 444

<210> 16666

<211> 774

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-012-Q1-E1-G4

<400> 16666

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ccgaaaaaat cattatttat taattatttt ggccaagtta ctgcatttaa ctttttgggc 120  
acatcaccac aatactctca caattccaac tatatagaaa tataatcact ctctcttttt 180  
catttttctt ttgaatgttt tcttagtatt agatgaaagt tgagaattct aatcctcact 240  
catcgagagt tgagaatcaa atgagttaaa ttgcatcttt tcaggattgc tagaaggaaa 300  
aaaaaaaaaa aaaaaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcat 360  
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg tcgttttaca 420  
acgtcgtgac tgggaaaacc ctgggcgtta cccaacttaa tcgccttgca gcacatcccc 480  
ctttcgccag ctggcgtaat aacgaaaang ccgcaccgat tgcccttccc aacagttgcy 540  
cancctgaat gggcgaatgg gacncncctg gtaccggggc attaaacccc ggcggtgtng 600  
tggttacccc ancgtgacgc taaacttgca anggcctacg ccggtccttt cgcttctccc 660  
tccttccgca agttgcgggt tccgtangcc naacngggcc ttaggtccat tannttagga 720

ccacccaaaan tntagggagt cnctatggca cccgaanggt tncttgntgn catt

774

<210> 16667  
<211> 726  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-012-Q1-E1-E7  
  
<400> 16667

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gctatgttcc taatcccttac aatccctacc agtattacaa tgtatatggg agtgggtcaag 120  
agtggactga ctaccagct tacacaaatc ctgaggggtgt tgacatgaat tctggaattt 180  
atggagagaa tgggactgtt gtgtatcctc aggggttatgg gtatgcagcg tatccttact 240  
cgccagcaac tagccctgct ccacagcttg gcggggaagg gcagttgtac ggtgctcagc 300  
agtatcagta tcctaactat tttccaaaca gtggaccgta tgctcatct gtggctacac 360  
ctaccagcc ggatctctct gcaaacaac ctgctggtgt gaagacacta cctgcggata 420  
ncaataatgt tgcttctgct gctggtatca caaaaaggaa ntaatggatt aactcaagtg 480  
aaaccaaact aaccaaggct anccntaaca nctcaaagta anttgggaatg gnaaggggtg 540  
cnccaagaag gagggtttgg ctggccgggt tatcaaggac cccaagtaan cccaangan 600  
gggaataaag cccccgttcc cttggnaaaa tgggnccctn aaccngggng tttcncnac 660  
cannttnnnn gggccctttn gggancccaa ggggaatttn ccttngggtn gggnccttcg 720  
gggttt 726

<210> 16668  
<211> 433  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB25-012-Q1-E1-E9  
  
<400> 16668

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caagtgggtc ctacacctcg tgcgtttcat gttgctatta caatcgattg tcatatgttc 120

atcttttggtg gacgttcttg tggcaagagg ttgggtgact tctgggttct agatacagat 180  
 atatggcagt ggtctgaatt gactagcttc ggcgacttac ctacacctcg tgattttgct 240  
 gccgctgctg ctattgggag ccaaaaaatt gtgttggtcg gcggtggga cggtaaaaag 300  
 tggctgtcag atgtttatgt tatggacaca atgtcctttg aatggctggg agctaaccgg 360  
 tttcaagggg cattgccacc tcttagatgt ggtcatcagg gcacaatggg gggagaaaac 420  
 gaattacttg ttt 433

<210> 16669  
 <211> 69  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-012-Q1-E1-F1

<400> 16669

nttgaagaaa cacacagtgg tattaatgca aaaggctgac aanaagatcc tgcaaagaaa 60  
 canattggc 69

<210> 16670  
 <211> 888  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-012-Q1-E1-F2

<400> 16670

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 atttcttttag acgcgcaaac tgaaagagct ttgatcgatc gatttggagg attcgtagaa 120  
 gatatgtcga gtatatacag aactgtttcg agaaaagaga aaccgagacg tcatcatgga 180  
 ttgacgacac agaagaagca agagattaag gaagcttttg agctatttga cactgatggg 240  
 tctggtacca ttgatgctaa agagcttaat gttgctatga gggcgcttgg ttttgaaatg 300  
 acggaagagc aaatcaacaa aatgatagct gatgtggata aagatggaag tggagctata 360  
 gattttgatg agtttgttca tatgatgact gctaagattg gtgaaagaga cacaaaagaa 420  
 gagctcacta aaagcattcc agatnaattg atcttgacaa aaatgggaaa gatatcccc 480

ggatgatatc caaacgcatn gcaaaaangga ctttggttaa gaaatttcac cggatgcctg 540  
 anaataccaa gaagatgggt tgaaagaaaa ccagaaccga agaaccgtnt aatnggtgaa 600  
 antttaacaa tnggattgaa attccatgaa gggatgatta agggaaaaac tggccttaan 660  
 gggngggnaa cctaaaaaan ggtttttttc ccggttcctn aaacgaataa tttggatgaa 720  
 gccnccaant aaaaanttec cttnaaccng aagggtctaa atttaaccng gtaaaaantt 780  
 nttaccngg aannattccc ntttttcccc aagtttttaa ancccaaaan ncccaaacct 840  
 tnaaggggaa aantccttgg gnccgggtccn ttggtnccaa aaaanaaa 888

<210> 16671  
 <211> 97  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-012-Q1-E1-F4  
 <400> 16671

tttcaaagga ccanatcctg gtgntgggtca aaaactgggc ctgccacttt aaaaggggat 60  
 ccncaaaggt ccacaagatt ncaagggcat tccggaa 97

<210> 16672  
 <211> 592  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-012-Q1-E1-F5  
 <400> 16672

agtatntgtc tagncggtcg tnnccgaaca taattcncgg gnccacgcan gcgtcngcaa 60  
 cacagagctg acgttagcat ttgtctctga aatcccagat ccgaaaaccc aacaatggcg 120  
 tcagagaaca acggatccag atccgattcc gaatccanca ccgctccnaa agcngattcc 180  
 accgtcgttg aaccgaggaa gatagctctg atcaccggan tcaccggcca ggacggatca 240  
 tacctgacgg agttccttct cggaagggc tacgaagttc atgggtctgat ccgtcgatca 300  
 gogaatttca acaccagcg aatcaaccat atctacatcg atccacacaa tgtcaacaaa 360  
 gctctgatgn aactccacta cgccgntctc accgangctt cctctctccg tcgttggnct 420

gatgtgatca aacctgacga agttttaaac ccanttgenc aatctcaacg ttcgntgtct 480  
 cgtcgagatt cctgantnna cagccgatgt nttcgcaacn ggtgctctcc cgtcaccctt 540  
 gaagcccgtc agatttcnca ccaatccaac aattgngcgt tacngttnaa gt 592

<210> 16673  
 <211> 512  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-012-Q1-E1-F9  
 <400> 16673

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 gcgtccgcac gtctagctct cacttttgtt cgtctcttct gcgtcaaaca tttccaccat 120  
 tttcgtttct taaacctttc ttcagctctt ctcttcgtca atctgcgata gtggaattga 180  
 agtctcttcg gtgagtttct ttactaatgg agaccgccgc ttcgagcgta gctacaantc 240  
 gtggcggttc cttcagaat ccgtcgccga nggctccgtc aagaaaagag tggcgcgccg 300  
 tttcggattc acaagacacc acagattatg tggatttga acagttaaag ctgaacagga 360  
 cagatgagag aacgatttat gagaatggga gagaacagga tgggtattca aataatgaga 420  
 tggttgaaca acaagaatcc taaaggtttc caaaaaagaa agngaaata caagcaattt 480  
 ggagattgaa cnttcgagct caaatgantg cg 512

<210> 16674  
 <211> 771  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-012-Q1-E1-G1  
 <400> 16674

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 ggncgcgctc cgcaaaattt caaacacaaa agtttcgtct ccgatttaat ctttctacgt 120  
 cttggtttat gagctcaaag gagaagccca ctctcgagg tacgcggatt aagacccgca 180  
 aaaggaatat tgctgtcct ctcgaccctg ctgctttttc tgatgcacta gttcagattt 240

atctggataa tgctggtgat ctggaacttg ttgccataag tttagagtca tctgatctta 300  
 atttctcaag atacggtgat attttctttg aggttggttt cattggagga cgtactcaaa 360  
 ctggttcagt gaaatctgat gaaggggaac gccaccctta ctctataatc gactgtgaac 420  
 caaagcgtga agctatttta ccatcagttg tatacatata gaaaattttg cggaggaaag 480  
 ccttccttaa taagaacctt gagaatgttt cacggagatt cctacagtca ctggagcctt 540  
 ttgaggnaga atganaagga agaaancttg caaatanca caagcacttg cattttcaca 600  
 agaantccc aaggattacc tggcanaaaa cngtcntcca nncaattgct taaggggacc 660  
 ccctggttng ccaaagggaa attcccaant ttgtaaaaga nttctcaang aaaaattggg 720  
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<210> 16675  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-012-Q1-E1-G11

<400> 16675

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 gagaataact attccttctt cgccaagttc tctgagctat agaagaagga gggatttctt 120  
 cagaccgcca ttgttgccca ccttctctcc tttctatttt tcgccgcatt ttactcgctt 180  
 actgacaaaa gtcttctact caagtctctc tctcgtctctc tttggaggct caattagggt 240  
 tttgttgctg tgagatttga ttacacaaat tgctgaattt ggtttcgatt attggtgtta 300  
 ttgttttcca agatttccag tgagtttccg tttatggatc tgactggagg atttggagct 360  
 aaattcggcg gtgttgacc gtgccgggaa ccaatangcc ttgaatcgct acatctcggt 420  
 gacnaattcg ga 432

<210> 16676  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-012-Q1-E1-G12

<400> 16676

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gcaagaaagt tttcatgtac ggcgttgagg atcncagcac cattgttgag gaaatgggtg 120  
aagatcttaa ccagatcggg agcaaaatcg accagcttaa acaatgggta accggtgttt 180  
acaattacca aactgattgt cttgacgata tcgaagaaga tgatttaaga aagactattg 240  
gagagggcat tgcaagctcc aagattctca ctagcaacgc tattgacatc ttccacactg 300  
tcgttagcgc catggccaag cttaacttga angtcnagga cttcaagaac atgacangcg 360  
gaatcttcgc tcntcagac aaaaggagca gctcccgtca acaaaaggaa ccc 413

<210> 16677

<211> 388

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-012-Q1-E1-G2

<400> 16677

tcccgtcaan naatcngatt acnaggaagg cnaacgtctt actcatctac ncgacttgat 60  
tcagagagga attgagacgt ccaagctttc gaatgtgaac tcattacctg agaaganatg 120  
gtcaagaag caaatancca ttgggatcaa cgaagtcact cgagttcttg agaggatgaa 180  
tcccagcaat actagtgach aacaacaaaa ncctaaacaa cttcaggtag tgatttttag 240  
tagcaagatt tgtaaaccga nggatgctga ccanggnata taccccaact taactggctt 300  
cgnagaaaag ttccggttcn caaagggtang gggacaacaa nacgagcctc ccctcaaaat 360  
taaggtgaat ttgggtaanc ccaaagac 388

<210> 16678

<211> 861

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-012-Q1-E1-E6

<400> 16678

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gtccgcnaac ggcgtccgcc acgcgtccgc ccacgcgtcc gtgtctgttc aagctcccat 120  
tcttgtggcc ttcaagcttc aggaacaaag accagtatct ctctgaaaga ctacttctcg 180  
gaaattttcg tctccatggc acccgtgagg gggattcttg gcttgcaaag ggcagtgtcc 240  
atttggaaag aaagtaacag actgactcca gctttgagat cattcagcac tcaagctgca 300  
tccacttcca ccactccaca gctcctcca cctcctccgc ctccggaaaa gactcatttc 360  
gggtgtctca aggatgaaga tcggattttt actaatctct atgggtctgca tgacccattt 420  
ctcaaaggcg cgatgaagag aagtgattgg cataggacca aagatttggg gctcaaaggg 480  
tactgattgg attgtcaatg aaatgaagaa atctggactt cgtggacgtt gtgggtgctgg 540  
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taanttgggt gtcaatgccg atgaaaatta agcctggaaa cttgttaaag aaaggganat 660  
ttatnctca atgaaccna naaaattttt ggaaaggggt ttttaatnnc cgggntttgg 720  
aaangaaacc naattncngc cttaaattta aatcaggggg tgaaaaantn taaagancnt 780  
ttttaaancc aaaaaanggc cnaaaaaaaaa acntttnnac nnnngtcctt ggggaaaaaa 840  
centnggttc cgggnnantt t 861

<210> 16679  
<211> 734  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-012-Q1-E1-D3  
<400> 16679

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tgctattaat ttggcacaa accttctcaa attgggacat aatgagagag aaaggtagc 120  
cctacaagat ggcggaggaa agatgccatt gaagccaatt atacataatc agacttggag 180  
agttgggatc cttgtctttc ttcttgggaa ttgcctcaat ttcatttcgt ttggttatgc 240  
tgctcagtcc cttctagcag ctcttggatc cattcaattt gtatccaaca tagcatttgc 300  
ttatgttgta ttgaacaaaa tggttactgt caaagtactc gttgctacaa cctttataag 360  
ttcttgggaa acgttttctt tgtanctttt ggtaatcanc agtccancaa gttttcaaca 420  
acccgaaaca atttngcaag aagaaaatta taaccaatgt taacaattcc ctnggncna 480

actggttggg aaattttgga atttttaa atnttaaccc cgttgcaacc aaattttccc 540  
 nccccaaaaa ggggaaaggg gaaaaaaat tttttgggaa aaanccnaaa aanccntggg 600  
 aaccaangaa aaattttngn cncctnaat tgggnaaaaa aggccggggc ttnccctttt 660  
 cccccaaaaa nncaanttgg gccccccggg ttgccaaaaa ggggnttaan gttcaaattt 720  
 ttaanttgn caaa 734

<210> 16680  
 <211> 796  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-012-Q1-E1-D4

<400> 16680

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 actcggtgaa agctccttat atggcacgct ttacaaagga aatcttgaga atggaacaaa 180  
 agtggcaata agatgcttac cttcatcgaa gaaatactcg ataaggaatc ttaaactgcg 240  
 gttggatttg ctgcgaaagc ttagacaccc gaatcttgtc tgcttggttg gtcattgcat 300  
 agattgtgga ggaaaagatg attacagcgt tgagaaagtc ttttgattta tgagtacatt 360  
 ccaaattgaa acttccaatc cttgtctctc agataatagt tcangtaang ggtatgaaat 420  
 tgggtcaagaa angcttaa at ggtcctcaca aggtgtttcc aaaagctggt caatttcctt 480  
 cacactggaa ttaatccctg gaattcctca agcaattaga ctccaagact aacaacctt 540  
 ttgccttaaa ccaacatccg gttttgcaa acctaattaa ttaanggggt ggcccattgg 600  
 cccccgaaac caacnngnct taaccaantt aaaccccggt cnttaaggt tccggtttcc 660  
 ggttcgaaag aananaccct ttgttttaaa aaacttttta aaagtgctta aaccgaaanc 720  
 ntnnactttt anccacattg gggtttttnc aanaatccga ttcnaaantg ncaaaaantt 780  
 aaaccnccn aannc 796

<210> 16681  
 <211> 760  
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-012-Q1-E1-D6

<400> 16681

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accggcggcg gcgacaaaca atgtggctgt agaaacgtct ccggcgacgg cgacgaggag 180  
acggagacaa caacaacgag cttcgttcgc tgagttaga ccgtttaagc tttggtttcc 240  
atggccttgt ccagctatcg tggatggctaa cattgccctt ttcgccattt cgatgtttat 300  
taacaattgt cctaagaact cggcttattg cttagctagg tttcttggga gatttgcttt 360  
cagcctatga aaagagaatc ctccttctgg gtccttcctc ctttgacaat tgggagaana 420  
atgggggctt taaaatgtta tcaatnggtg gntcataanc cacaaggtnt tggcccttgt 480  
tcacttgcta aanggtaca tccnggggn ttttcaaagg tccttgccaa caatgtttta 540  
ccctaacctt caatgggnan tccaacttna accaagaaat ttggatttgt anccccattgg 600  
attgccttaa angaaaaccg ggattggggg aaatttgtaa cctcccaaata taaccgggcg 660  
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<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 16682

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tcctctaaat tttttgggta gtgtttaccg tgaaacaatt cagagccttg tggacatgaa 180  
atcaatgttc cagttgctag aggagaaatc tgacatcaca aatacaagt acgcaaagcc 240  
tcttgactg aaaggtggaa acattgagtt tgaaaatgta cacttcagtt accttcaga 300

gagaaaaata ttagatggaa tttcctttgt cgtaccggca ggaaaaagtg tggcaatccg 360  
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 acagantccg gaaatataag gattgacggg caagatttaa ngaaatnaga canatagcct 480  
 ccgaaacctc catangaatt ttgccncaag aaacggtccc ctcaatgacc aatattcnca 540  
 catncattag ganntnccca nctncnaana aaangttttn agncgccccg cnnctgaatc 600  
 atnaaanaac cttattnccc ggaaaaaatc cccatttttg ggaaaggggc natttatngt 660  
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 nggtccgttc gatagttgcg aagaccttc ggtactcaat tctacctcc attacaccta 180  
 caattcctca aattcatctc tctccgtcgc tttcgtcgcc actccatctc aagccaacgg 240  
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 cctcgcttac agattcggcg gtggtgcggc tccggtcgtg aaagacgtac aacatttagc 360  
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tattcaagct gagttctgga tcaggagtta gtttatatgt tcgtaaaatg gttcatgatg 180  
attctccggg tgaaatctct acaaccaaga gagctcgaac agaggagagc aatatgagtt 240  
ctaagagaca gaagacagaa gatgaatctg aggagaccaa agaagcaa at gcaaagcaaa 300  
gagaggctga taagacaaag ctctctcttc ataaaatccc tctcaatgtc ccgtctcaag 360  
agttaaaagt agttattacc gggcagttca cacttgaagt tatgccaccc aaaagaaaag 420  
gacgttatta caatgcagtt gttactttta atagtccaga aagaaagcaa ataaaagcat 480  
ttgaaaaagt taaanggaga aacaatttaa ggagaaaagg tggntttggc acaaaaaaat 540  
tggttgcggt taaanctgaa nttcanggt n aagggnccnt tgtttaaacg tttccgtaaa 600  
atnggtcaaa gantaaanct gaaggggaac caaaganggc aaatgcaaan ccatttttaa 660  
ggatgatnca tttaaaagaa aatgggaana actgaaggga aaaanccaag ccnatgggnt 720  
tccatcaact gcaangnccn tccaangaan ttganaactg aacccaaaanc catgccaaagg 780  
gaattcggtta nnggcccggt aantntcca nc 812

<210> 16685  
<211> 420  
<212> DNA  
<213> Arabidopsis thaliana  
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tgctttgttt tcttgggcga ataaaagagg ataatttagt ggngggggttt tcgagaaaga 180  
gagagaaaga atgagttttc aagatttana ngcgggaaga ggaagatcat tancttcttc 240  
aaggaacatc aatgggtggtg gtagtagaca anacacgact caanatgttg cttctggtat 300  
atttcagatc aatacaagt tttcnacttt ccatcgatcat gtcaanactc ntgggtactcc 360  
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<211> 417

<212> DNA  
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 gatatcattg ctgcaattgg actatggtgg cagcttataa gggctgttgt agttgtacct 240  
 gtcttcaagt tctggtgct tctatgtttg gtcattgtctg tcatgttctt cgttgagggt 300  
 atgtacatgg gaatcgttgt tttgtatgtc aagctgttca agagaaancc agagaaatct 360  
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<210> 16687  
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 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 gcatatggtg ctataaaca acacacttac cagcttgat cctacaacac atgaaccatg 180  
 gcttcttcaa cccactctta cttcaccact ttagcactaa ccctaactct gatctttcgt 240  
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 gttaccacta ctagcgagaa atacattgtt cctacgccgt taccaccgtt ttacgaccc 360  
 tttttccac cgttacagtt tgccgctgca cggttcggag ggaatatccc acaaccaccg 420  
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 cagtcccgaa agcctacgcc gccgtaatcg tatatacgtt gacgggatca agtctaaaac 540  
 tgtatgaaat attaaactaa cctacttaan gtataacaac cccaaatata ccgttgatta 600  
 ncataaataa ttgangggaa tatcanggna gaaactgtaa taaaattacn ggggtntaat 660

taaaaattga taatncaagg ttnnnaccaa aaaaaaaaaan ggggcgcca aggtnaactt 720  
 agtncnngat gnaantcaac cctcaaagnn ccaatcattc aggcgccttt aaatcnang 780  
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<210> 16688  
 <211> 72  
 <212> DNA  
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<210> 16689  
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 <213> Arabidopsis thaliana  
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 gatcaaacag aggaaccacc actcaacaca caccagcagc acccagaaga agttgaacat 180  
 catgagaatg gtgcgactaa gatgtttagg aaagtaaagg ctagagctaa gaagttcaag 240  
 aacagtctca ctaaacadtg acaaagcaat gagcatgagc aagatcatga ttggttgaa 300  
 gaagatgatg atgatgacga gctagaacct gaagtgatcg atgcaccagg cgtaacaggt 360  
 aaacctagag aaactaatgt tccagcatcg gaggaatta ttccaccaag gacaaagggtg 420  
 tttcctgtcg tgtcctccga ttacaccaa cccactgaat ccgtaccagt acaagaagcc 480  
 tccttacgga cacgatgcan cggctcaatc cgtaaggacg acgtttacat ccggacaaag 540  
 gaagaagaaa aangagaagt ttccgantca acaatcctcc ggtcccnaaa ttgtccagac 600  
 nnnagnaaan aagaanttnn agaagaactc catccangaa gtccantnga aaaaatcccn 660

gggtccccccc gggcnttttcc nggnaaccaa anggganntt tanccaantt tccttttttgc 720  
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<210> 16690  
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 caaacgcgcc ggtgtttgat ccggtggaat ttcgtgaggt ggaggatttt tcaccgaaat 120  
 ggtgggatct agtaacgact tcgaaatggg tccgtgactt ttggctcagt gctaactctg 180  
 agaatgagtt cctcggcgcc gacgatttct cagttatgga agaagagttc gaggagatga 240  
 tcgcatcgtc tgatggtgga tccatggctg atacagttac agaagcagat gtggctagtt 300  
 atttgaagat gcttttgaac atancggagt ctacgaaaga gaagatttat agatcgaaag 360  
 tttcgtcctg ttcacaaaa gtataatcag aagaagtaca tgaatcccaa ctttaaattg 420  
 tcgcccggna tcatcata 438

<210> 16691  
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 <212> DNA  
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 ctttagtggg aaataagagc gtagtgtaat cttccttatt gtaacaaaag gaaaggctcg 180  
 aaagagtttt gaaatgtaaa gatatcattt ctctgccttt atttttgtat atatcattgc 240  
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<210> 16692



<211> 447  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 16692

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tctggtggtg ttatcaccct cgctcttctt attgtcatgc taattctctt cttctccgag 180  
cttcagctgt acattcaccg ggttactgag actcagcttc gtgttgatac atcaagagga 240  
gagaagctac ggattaatth tgatgttaca ttccctgcgc ttcaatgttc gattattagt 300  
cttgattcca tggatatcag tgggggagaag caccttgatg tgcgacatga cattattaaa 360  
aggagattag actcttctgg gcaatgtcat cgangcaaaa caaagacnga aattgggtcat 420  
actaagantg aaaaaccttt acaaaaaa 447

<210> 16693  
<211> 444  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-E7

<400> 16693

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ttaactcagc tgattcatga gtccaccaag aaaccagagt accaacctga ctggccaatg 180  
agactgtcca tagctgttgg agcagcagaa ggttttagcat ttctccacca agtcgccatc 240  
attcacctcg acgtttcctc tagcaacgtc ttgctagact ctggttataa agccgtgctt 300  
ggggaaatcg aaatatcgaa acttctagat ccctctagag gcaccgagag tattagctca 360  
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tccggggaat gtttacaagt tatg 444

<210> 16694  
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<212> DNA  
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 <223> Clone ID: LIB25-011-Q1-E1-E8  
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 gcaccacctg gttcaattgc taagtatcaa gtctgggttc cacaagcgga agtttcagat 180  
 aagcaagagg atgatgagat ggagaaaaaa actgaacagg gtacatcaat ggagcttaca 240  
 agggatgagc aaatgataac agggtttagag gaagaggtaa aaaaggaaat ttctgcagac 300  
 ccagaatcta acataaccca aggcgaagaa gagatcaaag tagagttaca accatctgaa 360  
 ggagtactcg gaggaagtca tataaatgaa aacgacgaat ctgggggttg aattcagggt 420  
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<210> 16695  
 <211> 280  
 <212> DNA  
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 <223> unsure at all n locations  
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 cataagttat atatagcttg atttgctttc ttacagttgt tttgatatga cggatataca 180  
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<210> 16696  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 ccggtctgac atattggagt ccgaatgtga atatcttgag ggacccgcgg tggggccgag 180  
 gccaaagaaac tcccggagaa gatcctatcg ttgccgcaaa atatgccgcc agctacgtcc 240  
 ggggacttca ggggtactgct gccggtaacc gccttaaagt cgccgcatgt tgcaaacatt 300  
 aactgctta tgatcttgat aattggaatg gcgtcgaccg tttccacttc aacgctaagg 360  
 taaatcttct tcacatatta tatatatcta atategtata tagtaagaaa atattttgca 420  
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 <212> DNA  
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 tggatctcaa actctgagtc ataacaaaaa tggatctatt cctgagggtta aatccattaa 240  
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 gtggcatgaa tgttctgttg agaaagttga tagacagaga ttgcttgatc agaaaggatg 360  
 tgtgatttgg gtcaccggtc ttagtggttc agggaagagt actttggctt gtgctttgaa 420  
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<210> 16698  
 <211> 450  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-011-Q1-E1-F3

<400> 16698

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accataattt catcagatct cgctgattaa tcatcccat ttggatctga tcgaaactct 180  
tagggaagaa catggcagga gctgcctccg cgctgtttct gcttgatata aagggacgcg 240  
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ctaagctcat cgagaaagag ggtgattcac agtcaaata tccaattgct tacgataatg 360  
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<210> 16699  
<211> 53  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-011-Q1-E1-F5

<400> 16699

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<210> 16700  
<211> 503  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
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tccttcatct tctctcgtca ccattcactt tacgttcgag aaagtcaccg tctggagttt 180  
gtctagtctc gtggccgcct tctcggctct gcaggactcg acgactcgtt tgtatggccg 240  
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aactagctga cccagatggt gtttcgaatc aatctgaata ccaaaaactg gcacaatcca 360  
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<210> 16701  
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 <223> Clone ID: LIB25-011-Q1-E1-G1  
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 ttggaggcga ctttctgtta aaggagatca ttctactana gacgctaattg gtcgatgtga 360  
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<210> 16702  
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 <212> DNA  
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 <223> unsure at all n locations  
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 <212> DNA  
 <213> Arabidopsis thaliana  
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<210> 16704  
 <211> 514  
 <212> DNA  
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 gctcggggga gactaatcaa aggtcaaaat ccattaggga gggaatcgaa tcncgatcga 180

tctcaatttc ttctgagaaa agaaaaaaat gtcacgag attgaggtgg tggaagaaat 240  
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gaagaacgat gtctatactg ctgccgctta tgggtgattg gagaagcttc atagattggt 360  
tgagtgtgag ggttctctg tttccgagcc tgatgctctt ggctactatg ctcttcantg 420  
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gattcagctc acgaggaagt gacgacgatg tctcattcta gaagactttc gttggaacct 240  
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tctgcttctt cttccgctgc tgcgactcct actagcagct ctggctcttc tggctctgct 420  
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gatgtgttga taatatcgat tgaagcgaat tatcgcttaa tgaagtgtat tattcgatgc 360  
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 tatccattgt gctcgttgta gagttccttg gcatatcgaa ggtggtaaac tacttttgga 240  
 gttgaaccgt gcattgaggc cgggtgggtt ctttgtctgg tcagcgactc cagtctatag 300  
 gaagactgag gaagatgttg gcatatggaa agctatgtcg aagctaaca aggcaatgtg 360  
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 gttgctgtct ttgatagcta ctggacgcaa cgacaaagtg atgcattgaa acaaaccatc 240  
 ggctcttacg atcctcatcc acttaacgtc accaaccatt ttaattacca tgtcaatata 300  
 gcagtggatg catcggaatc aaggaacgat acaaggagag agcttactca ggtgagaagt 360  
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tggtttaaaag gttgaagctt actacggtct aaagacacct ccttatccac ttgatgcttt 240  
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 tgtagataat ctgaataaac agttagggaa agatgataga ctctatggat acaccatgga 360  
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 gcaagatgac tccaattcgg ttttgtactg caacagagca gcgtgttggt ataagctcgg 300  
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 <223> Clone ID: LIB25-011-Q1-E1-C7  
  
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 ttactaacat ctacgcatct ctacgcagct ttcttgcaaa tggtcagccc attccacagc 180  
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ctcaaagtaa tgtagtgagt agtaatccaa atcagctatg gggattaggg atgagcactg 300  
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 <213> Arabidopsis thaliana  
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 gaaaggtcat acggtcactt ttttgattcc caagaaagct ctgaaacagt tggaaaatct 180  
 caatctgttt ccacacaaca ttgtctttcg ctctgtcacc gtccctcatg tggatggctc 240  
 ccccgttggc acagagacag tctctgagat ccccgtgaca tcagctgac tcttgatgtc 300  
 tgctatggat ctcacacgtg atcaagttga aggtgtggtc cgagccgtgg aaccggacct 360  
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 cgacggagat agtgacaatt gggttgtcac tgaaatggga nncncagaga tcttccatca 180  
 gtcctgtttc actttaccat ggaatcgtct tatggatagg atgatgatgg agctacaatc 240  
 acaaggtaga tcgattgatg acattaaatc ttgtttgaag aaaatgccta ttgattctca 300

tattattgaa gctatcaaat cagctaaatc ttcaggatgt gatttaaagg attgtgagtg 360  
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ggaagatanc atcctctctt gaanatgtgg tcnaagttcc tgactcccc gagagagtt 240  
atatttcttc ttccagaaca antggattac catgcatatc tgctcaggaa aatgggtcan 300  
atgatgagat tacacatgat gaacaaagtt gcaaattggt ctgctataag tnaaagaaan 360  
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<210> 16718  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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aatcaaadc tacggctgat aagtttttca tgttctctag aagatcacia catgcctcca 180  
aagccactcg ctatgtacag ggatgtgatc tgctcgaagg cgagtggggc gaagttggaa 240  
gcatactctt gtggaaatta actgttgatg gagagccaaa agtgtcaaag gatatgattg 300

aggcgattga tatgaagatg aatatgatcc agtggagggt gttagaggga cctctgaagg 360  
aagagtacaa tattttctcg aaaacgatga aagtaagccc taagcaagga gggctcggaa 420  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB25-011-Q1-E1-D7  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB25-011-Q1-E1-B10  
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attgttgggg atcttctgga ttatcttaat gaatcctgga cacagtttca cgccactgct 360  
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<223> unsure at all n locations  
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gaatgcaggt tgtactggct gctaatagagc ttccgtctat caacgatgta acttatatcn 360  
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<212> DNA  
<213> Arabidopsis thaliana  
  
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<211> 446  
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tcacaagaga agttcccatg atcnttgggg gagtgggttca ncgagacnc tgatgcaatc 360  
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<210> 16725  
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 aaacttggat tcaacactga aggaagaaaag gaattgacaa aaccgnectgt tgantccctc 360  
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 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-010-Q1-E1-H7  
  
 <400> 16728

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 cttttcatct ggcatttca gttcagtana atanannaaa gcattctaacg aattttacaa 180

gtaagtgcgt ttatgagtga tacanggata tcagcagtag cagttgctgc tgctgtagtg 240  
 gtggtaacta cggttacggg atggatatgg aaaggtctga atgtagcttg gcttagacca 300  
 aagaaaaatg aggccttatct aaagagacaa ggtctctctg gaactccttt cacctttctt 360  
 gtcggagaca ttaaaagggg agccagtatg gtggagcaag aaaagtccag acccatcaat 420  
 ctaactgatg attacacgca tcgtgtcatg cctctgatac aacagaccgt taaggatnat 480  
 gggaagacat cntacatgtg gattgg 506

<210> 16729  
 <211> 488  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-010-Q1-E1-H9

<400> 16729  
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 ggatgagagg ttccaataac accgatctat ttgaccctaa gacggagatg gattccaatt 180  
 tctctcgcca tggttcttcc tccgaagggtg attttggttt cgctttcaat gacagtaact 240  
 tctccgatcg tttgctccgg atcgagatct tgggtgggcc ttcggattct aggtctgatg 300  
 ctgaaggatg tacgagtatt gccgattggg ctggtcatcg caagaggaga agagaggaca 360  
 acaagaagga caatggtgtt gcgatttcag acattgtggc atgtgctgaa gaacagattt 420  
 taaccgataa caaccaacct gatatggatg atgctcctgg tggtgataat cttgacnatg 480  
 aaaggaga 488

<210> 16730  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-011-Q1-E1-A1

<400> 16730  
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tttgaaccat cnaggctcgc gaaaccgggt atggtgaaaa ccatgttctt cegctggatc 120  
 cgtctcgaag atgttatcgg ctttgatagc aaagacacct cttcgcgaaa tcttgaacat 180  
 cnaaaactgt tgggagattg gtcttgatgc gataaccgga tataacgaac cggttaatga 240  
 agttggtttt caagtattgt tccttctccg gcgcagcaaa ncaacactgg gacgttgccc 300  
 aataantcaa gatttttcaa agntaccttt tggggaaaag ttccaaaccg ccttttnaat 360  
 ttcncnnaaa ttccnnaaac aaagntttta agtgggnagg ggaagggcna ataaccctng 420  
 gaacctnaac cc 432

<210> 16731  
 <211> 505  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-011-Q1-E1-A10  
 <400> 16731

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 acgcgtccgc aagcaataag aagttcgaca atgatgtttc acttgaaata atagcaatga 120  
 gaacacctgg atttagcgga gcagatctcg ctaacctctt gaatgaggct gctatattgg 180  
 ccggaaggcg agcacggaca tcgatatcat ctaaagagat tgatgactcc attgatagaa 240  
 tcgttgctgg catggaagga acagtgatga ccgatggcaa gagcaaaagc ttggtagctt 300  
 accatgaagt tggatcatga gtgtgtggaa cattgactcc aggacatgat gctgtgcaaa 360  
 aggtaacgtt gataccaaga ggccaagcaa gaggtctgac ttggttcatt ccatcagatg 420  
 acccgacact catctccaag cagcaactct ttgcaagaat tgttggtggg actcgggtgg 480  
 aaggccgctg aagaaatcat ctttg 505

<210> 16732  
 <211> 451  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-011-Q1-E1-A4  
 <400> 16732

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 attctcaaaa gtctttgtgc tcaagaatta ccaattttgc atatatatgc ngaagatcaa 120  
 ctccattttt atctctaatt aggttcttga tgtgttaata gaggcaaadc cagaactctc 180  
 atttacattt gattcatcca aaaccacggc gcttcatacc ggggcttcac agggatcatgg 240  
 agagattggt tgtttcttgt tggataaagg tgtggactta gctgctattg cgagaagcaa 300  
 tggtaaaacc gctttgcact ctgcagctag gaacgggcac acggtgattg tgaagaagtt 360  
 gattgaaaag aaggctggta tggttacaag agtcgacaag aaaggatcaa ccgctcttca 420  
 tatggcgggt aaaggacaaa aacactgaga t 451

<210> 16733  
 <211> 60  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-011-Q1-E1-A7  
 <400> 16733

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<210> 16734  
 <211> 443  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB25-011-Q1-E1-B1  
 <400> 16734

ggtttttgaa gtgatgccta gaaaggatgt tgtgtcgtat aatactatca ttgcagggta 60  
 tgcacagagt ggaatgtatg aagatgcttt gagaatgggt agggagatgg gaactactga 120  
 cttaaagcct gattctttta ctttgtctag tgtgcttccg atattttctg agtatgtgga 180  
 tgttattaag gggaaagaga ttcattgggt tgtgattagg aaagggattg atagtgtatg 240  
 atatattggg agtagtttgg ttgatatgta tgcgaaaagt gctcggattg aagactctga 300  
 aagagtgttt tctcgcttgt attgtccgga tggatctctg tggaactccc cttgttagctg 360  
 gggatgttgc aaaatgggta gatacaatga aggcctgag aattgttcaa gcaaatgggtg 420  
 aacccaaaag gtaagccaa ggg 443

<210> 16735  
 <211> 488  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-010-Q1-E1-F2

<400> 16735

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tcntagncgg accgtentcn taanatcccn gggccgcccc acgcgtccaa catggaggat 60
gaagaaccaa gatggagaga gcttgagtgt agcgcatctc caggcgtggg tgtaccgcct 120
ccaagactag accatgtggc tgtgagcatg ccgtgtggta gggcatcat ctttggaggg 180
tcgattgcag ggcttcactc tccttcgcaa ctgtttctaa tagatcctgc agaanagaaa 240
ccgtcatgga ggatcctgaa tgtccccggg aaaccgccta agttagcttg gggacatanc 300
acatgcgttg ttggaggaac tagagtattg gtccttggtg gtcacactgg tgaggaatgg 360
atactcaatg aattacatga actctgcttg gctagccggc angactcgga tctgtnanag 420
actctttcct tcttcatttg gtttgtgggt ttgtmctgt cacattccaa actcttacca 480
catntaga 488
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<210> 16736  
 <211> 445  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-009-Q1-E1-C1

<400> 16736

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ctctcgccgg cgctgcaaat ccctaggttt ttcaatcaca cccaaaacat ttgtagagcc 120
ccaagtactc aatttcgctt attgatagag agagagagag attgagaatc gcgatttgat 180
tttatcaatc gatgccgtga aaatctcgta atcagattca aaattgagga tggtttagctg 240
ctaccgtaat ccttgcgatg agattgagaa gaactaattt tggtttgtga gcaactttcg 300
aatcagctct gttagatttg atttgaactt ttatttgaan atggatcggg gtgacanctc 360
aggatttgta agcggcggtg gaaatgctta aaaagnctc caactcctaa tagagctgtg 420
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gnttaatctc ctaaaccggg aattt

445

<210> 16737  
<211> 449  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-009-Q1-E1-C3  
  
<400> 16737

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aatcatcttc catggcttct gattcccaac actncaaact gttactacac ctgaaaagcc 120  
attggagaat aaggtgagcg aggaagctaa gttgatggan aaagagatta ttctgctcgga 180  
ttctgcagat gtggtgaatg ataaaccggc atcagattca aaccgggtgg tcaccaaaga 240  
agaggagatt gatcaaactc ctgctgggtga accagataaa gaatcaccan cantgggtgga 300  
agaggttgga gctgttgtga aagcanagga atctacagag acagtgaagc atgagaacng 360  
tgagaaggga nctgaacaaa gttggaactt aaagagcaat ccttggttaa naaactgttg 420  
canaanttaa agttnaaact gttgntacc 449

<210> 16738  
<211> 499  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-009-Q1-E1-C4  
  
<400> 16738

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atgatgattt taaatttccc ttttcgaata tattcgttta attgtctctt tatataatta 120  
acagtttttg ttaatgggaa tcgcaggtaa cgattgagaa gaatctctcn tttctccact 180  
gagagaatca cattctgaga gatcagacaa gaagaaacaa tgggtggaagg aggaattgcg 240  
aaagcagaca aaacagagtt cacagagtgt tggagaacaa catggaagac accttacatc 300  
atgcgacttg ctctctccgc cggaatcgga ggtcttctct tcggttacga taccggagtc 360  
atttcoggag ctcttctttt catcaaagaa gattttgatg aagttgataa gaaaacatgg 420

cttcagtcaa ctattgtag tatggcagt gctggagcca tcgtcggagc aacagtcgga 480  
 gggttgatna atgataagt 499

<210> 16739  
 <211> 245  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-009-Q1-E1-C7  
 <400> 16739

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 aatctagtta attatctatc tccctccacc aatgntgaca cacagttnc aacaggtanac 120  
 aaaatgatgc aacccaatgc nnaacttttg tccccatccg ctaaatttct accgtcacct 180  
 atagatccac cgcaananaa ccgtagaacc accgtatgag cacctcngtc attggaanna 240  
 aactg 245

<210> 16740  
 <211> 431  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-009-Q1-E1-C8  
 <400> 16740

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 cagaacgata cacagtcgat ttgaataagc cacttgtgtt tcaggttggt catcttggcg 120  
 aagaatatca ggaatggatt catcaacctt ttgtatgcgt tgagggtcct cgtttttttc 180  
 gaaagtgatt tttgggagtt tttgactcgc acggttttgt gggcaatccc aacaatctgg 240  
 cttccagttg tttgctacgt tctttcaata tcggcgagta agggacttac gtttccccag 300  
 atcgggttaa tagttgcttt tggtgtactc acgtggacac tgctcgagta cacgcttcat 360  
 cgcttccttt tccacatcca aaccaagagt tactggggca aacactgcac actancctcc 420  
 tcatggatgc c 431



<210> 16741  
 <211> 505  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-009-Q1-E1-D11  
  
 <400> 16741

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nnggnngnn tnnnggcaac ttnntcgctg gtcgtgnccg tcnnnaaatt caagggtcca 60
cgnacgcgtc cgnnaaaaga ttgccagaga tgtttttagat aaactgaatg ctacaccatc 120
tagggatttt gatggtatgg tggaattga agctcatttg agagaaataa aatctttgct 180
agatttagat aatggtgaag ttaagatagt tgcaatcgct ggtcctgctg ggattggtaa 240
gactactatt gccagagctt tatatggttt actctctaaa aggtttcaac ttagttgttt 300
tgtggacaac cttaggggaa gctatcatag tggttttgat gagtatgggt ttaagctgca 360
tttacaagaa cagtttcttt caaagggttt gaaccaaagt ggaatgagaa tatgccatct 420
aggtgcaata aaagaaaatc taaccgacca gagagtgtc atcatccctg atgatgttga 480
acaagtttaa gcatttgng gcttt 505
  
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<210> 16742  
 <211> 441  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-009-Q1-E1-D4  
  
 <400> 16742

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ttcttcgaat gttgaagaaa acctaaaccc agaaacaaaa tccgcagaag aacaaaaccc 60
acttgccatt ttccattctt ctctaccaat cgcattctt tctctgacct tgttcccatc 120
ctcgactcaa tttctcaaat tgtttgctca tcatccaaac aagggttaaga tccctacgca 180
ggcttcttct ctcaactcat tctctctttc ttctgtctct ccttttctt cttccagaat 240
ctctttcaaa tccaccatcg ctgctaacc tcttcaatcc cctctctcca tcgtccctcg 300
tcgtcccggt gatccttctt ccgcccgcgc tctccgcgt gctgctgtcg tctggttccg 360
caatgacctc cgtgtccacg acaacgagt tctcaactcc gccaacgacg agtgcgcttc 420
ccgttttgcc gttttaangg g 441
  
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<210> 16743  
 <211> 441  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-009-Q1-E1-D5

<400> 16743

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agtgtctttt atggatcttc gtcacctgtg gttcagctca ctgtttctaa ctttaagtcc  120
aaggttctta attcaaatgg agttgttttg gtagagttct ttgcaccatg gtgtgggtcat  180
tgcaaagctc taacacctac atgggagaaa gtggctaata ttctgaaagg agttgtctact  240
gtggctgcaa ttgatgcaga tgctcatcag tctgccgcgc aggattatgg tattaaggt   300
ttccaacaa ttaaggtttt tgttcctgga aaggctccaa tctgattacca aggagcaaga  360
gatgccaaat ccantgctaa ntttgcntan aagcagatna agggctcttt gaatgaacgt  420
ttgnaggga aaagttaacc a                                     441
  
```

<210> 16744  
 <211> 498  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-009-Q1-E1-D6

<400> 16744

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atgagcgcgga cgcagacgca gacgcatgga ccgcactcgc tggccttcag ggtgatgcga  120
ctctgcaaac cgtctttcca cgtcgatcct cccctccgca ttgaccttt cgatcttctc  180
gccggcgagg atttctccga cgatccctct tccgcctcct tgttccgccg ccacgtatct  240
tctgccgacg ctgtcgactc cgatctcagc taccgaaata gattcctcct caaccatcct  300
accgatccaa tcggtctctc tggctttctg cttcttctc agtccttcgg agcgatctat  360
ctcggagaaa cattctgtag ctatatcaag cgtcaacaat agttccactt caagaagttc  420
gggatgttac cattaaggca gaaattcaga cagagaggca gaggattcta ctctggatac  480
  
```

atccaagtca cctgttg

498

<210> 16745  
<211> 424  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-009-Q1-E1-D9  
  
<400> 16745

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ctcgagaatc tactaatct ccagccttcc ggtggctgag acgattccaa ctcccttac 120  
ctcttcaagt tgaaatgtga aagatgtgga naggtgactc cgaaagaaac atgtgtgact 180  
ttgaatgaga cttttactcc tccgggaggt aggggtactt gtcattctgt tcagaagtgt 240  
aagttctgtg gaaggggaagg gaatgtgact atgattccgg gcaaaggctg acctttaact 300  
ctggaagatt ctgaggctgg agaacatgcc cctcttatgg tgtttgactg tcgtggctat 360  
gaanccaatt gatttcngat ttggtggata atgggaaant caagctgaaa ctgggaacaa 420  
aatt 424

<210> 16746  
<211> 503  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-009-Q1-E1-E1  
  
<400> 16746

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tgttcgtttc ttccaaaccc tagaaaaatc cttagcaatg gangatgctg atggacttag 120  
cttcgatttc gaaggcggtc ttgattccgg acctgttcag aacaccgctt ccgtcccgg 180  
tgctccgcct gaaaactctt cctccgccgc tgtaacgta gcaccgacct acgatcattc 240  
ttccgcgacg gtggctggag ctgggagggg tagaagtttc cgtcaaactg tttgtagaca 300  
ctggcttcga ggtctgtgta tgaaagggtga cgcctgtggg tttctccatc agttcgataa 360  
agctcgatg ccgatctgcc gttttttccg gttatacggg gaatgtcgag agcaagattg 420

tgtgtataaa cataccaatg aagatatcaa agaatgcaat atgtncaanc tggggggtttg 480  
tcccaatggn cccgaatntc cgt 503

<210> 16747  
<211> 430  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB25-009-Q1-E1-E10  
  
<400> 16747

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tggcgaagaa gattttctag ggttttttgt ttgattttcg tgaagtcgga aaaattatta 120  
ttattaatcg tggtgagctg tttgatcggg gaagactatg gcgtcgtctt cagcttcggc 180  
gacggtggct gttgataaag ctaccagcga tcttttgta ggtcctgatt ggactacgaa 240  
tatggaaatc tgcgattctg ttaattctct tcaactggcag gcgaaagatg tagttaaagc 300  
tgtgaaaaag aggctgcaac ataagagttc gagagttcaa ctacttgctc ttacgctttt 360  
ggagacgttg gtaaagaact gtggagatta tttgcacat caagttgcag agaaaaacat 420  
ttaagggaaa 430

<210> 16748  
<211> 76  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-009-Q1-E1-E4  
  
<400> 16748

cagnatntga tctcaccaat tttcagctgc cacctcagct gaacctacta agatcacaac 60  
cccagtgtta ccgcna 76

<210> 16749  
<211> 419  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-009-Q1-E1-E5

<400> 16749

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tttgtagttt ctttcgatgt ccaagcactc agtcctcact actacgacca tacttggtcca 120

caagccgacc acattgtaac caatgcagtc aagaaagcca tgtcaaacga ccaaactgtc 180

cctgctgcgc ttttgaggat gcatttcac gactgtttcg tcagaggatg tgatggctca 240

gttctcttag actctaaggg gaagaacaaa gcagagaaag atggacctcc taacatctca 300

ctccatgcat tttatgtgat tgacaatgca aagaaggcat tagaagaaca atgtcccggg 360

atcgtctctt gcgccggaca ttcttcactt gcggcaagag atgcntcgct ctctcaagg 419

<210> 16750

<211> 69

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-009-Q1-E1-E6

<400> 16750

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caattaaat 69

<210> 16751

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-009-Q1-E1-E7

<400> 16751

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ttgctactga taccggaggt attcctgagc cacttgccgc tgttcccggc gctaagcttc 180

gtcttatgtg cagttttggt ggccacatca tgcctcgtcc acacgacaaa tcgttgacgt 240

actccggcgg cgagactcgt attgtggttg ttgatcgacg tgcgtcactg tcntcgtcc 300

gatctcgtct ctctagtatg cttctcaacg gncggtcctt tactctcaag taccatgctc 360

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gattgaagga tac 433

<210> 16752  
<211> 435  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-009-Q1-E1-B9

<400> 16752

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ctcagtagac agagttttcc taaaggattc gtgtttggaa ccgccacgtc agcttatcaa 180  
gtcgaaggcg agactcatca agacggtcgt ggcccaagca tttgggatgc cttcgtcaag 240  
attcctggga agatcgccaa gaatgccacg gctgagataa cagtggacca gtatcaccgt 300  
tacaaggaag atgtggattt gatgaagaaa ctgaacttcg atgcttacag attttccaat 360  
tcaanggtcc aangataatc cctgaaggga aattggtaaa gtcaactggg aaaaggattg 420  
cttaatacaa aaaaa 435

<210> 16753  
<211> 496  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-008-Q1-E1-H9

<400> 16753

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ccgacaaaga cccatgtctt aatcttccca tttccggcgc aaggtcacat gattcccctc 180  
ctcgacttca cccaccgctt tgctctccgc ggcggcgccg ccttaaaaaat aaccgtecta 240  
gtcactccaa aaaaccttcc ttttctctct ccgcttctct ccgccgtagt taacatcgaa 300  
ccacttatcc tcccttttcc ctcccacct tcaatcccct ccggcgctga aaacgtccaa 360

gacttacctc cttcaggctt ccctttaatg atccacgcgc ttggtaatct ccacgcgcgc 420  
 cttatctctt ggattacttc tcacccttct cctccagtag ccacgtatc tgatttcttc 480  
 cttgggtggg caaaaa 496

<210> 16754  
 <211> 449  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-009-Q1-E1-A1  
 <400> 16754

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 cgagtttcag gtctagccct aaccctaaaa ttcagccatg tcttccaagc aaggagggaa 120  
 attgaagcct ttgaagcagc ccaagtctgg taagaagtag tacgatgagc acgatatgga 180  
 gttaatgcag aaaaagaagg atgaagagaa ggcacttaaa gaactcaggg ccaaggcttc 240  
 acaaaaagga tcattcggag gctcaggact taagaaaagt gggaagaaat aagactaaat 300  
 ctgcctcaat gtaatcctat atcaccttat atatgtttgt caatgtacca tgactagttt 360  
 ataagttata accattaaaa tcattgttgcg atgttgtana aataaatata aatccaaaga 420  
 cntggccccc tcaaaaattn tgggaattt 449

<210> 16755  
 <211> 495  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-009-Q1-E1-A2  
 <400> 16755

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 gcacanctng gaccatcgtt atgtggaagt tgaagatagg agagggaaat gganaagatc 120  
 cttacttggt cagcagcaac aacttcgtcg gacgtcaaac atgggagttt gntcccaaag 180  
 ccggcacacc tgaggaacga gccgccgtcg aagatgctcg ccggaactat ttagacaacc 240  
 gtccccgtgt taaaggttgc agtgatctct tgtggcgaat gcaatttttg aaagaggcga 300

aattcgagca agtgatcccc cgggtgaaga tcnacgacgg cgaaggcata acttacanaa 360  
acgcgacgga tgcgttacgg agagcagttt ctttctactc ggctttgcag tcttccgatg 420  
gccactggcc ggcggaaatc accgggactc tcttcttccc tcttccantg ggnatttggt 480  
tccanaacan aaggg 495

<210> 16756  
<211> 510  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-009-Q1-E1-A3  
<400> 16756

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gantctctcc aatccaccgc tacattctc cagtcggcga agatcgccac cgctccttct 120  
cgcggaagtt ctcacctccg atcgactcaa gccgtcggca aatcttttgg gctcgaaact 180  
tcttcggctc gctcacttg ctcttccag tctgacttta aggacttcac cggtaaactgc 240  
tccgacgctg tcaaaatcgc cggattcgt ctgtccacct ctgctctcgt cgtctcggga 300  
gcaagtgcng agggagctcc aaagagattg acctatgatg agattcagaa gcaagacata 360  
catggaagtg aaaggaactg ggaacggnta accagtgcc tactattgac ggtggctctg 420  
agaatttctc gttcaaacc ggaaatatgc aagaagaag ttctgctttg aacctaannt 480  
cntnaacgtt aaanggaaaa aatnttaana 510

<210> 16757  
<211> 442  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB25-009-Q1-E1-A4  
<400> 16757

gtatcgaaac tgctcgata ttgactttg aggagtttcc aagaagagat aaggttacat 60  
acatgtatta taccggccga ttagaagtct tcaacgaaaa ttttctgct gctgatacaa 120  
agctatcata tgccttgcaa aattgcaacc ccaaagaga acgaaatata aggatgatat 180



taaagtattt ggtaccggtg aagcttttctt taggaattat accaaaagat gagctcctgc 240  
gaaattataa tctgcatgag tacacaaaga ttgtgcaagc tctgagaaag ggtgatctaa 300  
ggcttctccg gcatgctctt caagaacatg aagatcggtt cttgagggtcg ggtgtgtatc 360  
ttgtcttgga aaagctagag ctccaagtct accagagact catgaagaaa atttatatta 420  
accaaaaaact gagtgggttca ac 442

<210> 16758  
<211> 440  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-009-Q1-E1-A6

<400> 16758

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attggtccag aagctcctac tgttttcaac tgtgttggtg aaattagcaa aggtggaaag 120  
gttaagtacg agctagacaa gaacagtggc cttattaagg ttgatecggt tctctactca 180  
tccattgtgt acccccacaa ctacggtttc atccctcgaa ctatctgtga agacagtgat 240  
ccaatggatg tcttgggtact gatgcaggag cctgtgctaa ccggatcatt cctccgtgcc 300  
cgtgctattg gtctaattgcc catgattgat cagggtgaga aagacgacaa gatcattgca 360  
gtatgtgctg atgatcccg gttccgtcac tacagagaca tcaaaagagc ttccccctca 420  
acgtctaagc tgaaatccgt 440

<210> 16759  
<211> 508  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-009-Q1-E1-A7

<400> 16759

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tccanttcct tcagcgcagg atattgctgc tgaatttggt agacagtact atcatgtttt 120  
aggacagctt cctcatgaag ctcggtangtt atatgttgat gctagtgttg tcngcagacc 180  
tgatgttact ggtactatga tgtcttttac ttccgttgag gctancaana agcatatcct 240

gtcctgtgac ttgagaata ctaaatttga ggttctgagt gttgactctc agaattcttt 300  
ggaagatggg atttttatta tggatgatcg tttcatgact ggaaaanaca accagaggag 360  
gaagttttct cagatgttcn atcttgctcg tcaanatacc ctggttggtc tcaatgacat 420  
gttacnatac gttgatcaag aggattcttc tagcactgaa actccatgtg agccgggttac 480  
tganatgtga naccanctgg angggcca 508

<210> 16760  
<211> 425  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-009-Q1-E1-A9

<400> 16760

ttagtttttag cagagttggt gaaatcaatg ggccacaaaa acgccgccgt ttcagagaat 60  
caaaaccatg atgacggcgc tgcgtcgtcg ccgggattca agctcgtcgg attttccaag 120  
ttcgtaagaa agaatccaaa gtctgataaa ttcaagggtta agcgcttcca tcacatcgag 180  
ttctggtgcg gcgacgcaac caacgtcgtc cgtcgttctt cctgggggtct ggggatgaga 240  
ttctccgcca aatccgatct ttccaccgga aacatgggtc acgcctctta cctactcacc 300  
tccggtgacc tccgattcct ttnacngcn ccttantctc cgtctctctc ggccggaaan 360  
atttaaccgg aaacccaaaag ntncaancca aatttcnatt aanggtctgg cgtccctnct 420  
ccctt 425

<210> 16761  
<211> 507  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-009-Q1-E1-B1

<400> 16761

gnggnaantc tatcngcn cn nccgggtca cnacnananc gggtnagcc acgcgtccna 60  
gaaaattgga agaagagga ggaggaggtg cgatcttcaa ccgaagagaa cgagaatgtg 120  
cgatcttcaa ccgaagagaa cgagtatgtg cgatcttcca ccgaagctgg taggggagaa 180

gatcctcacg aggattccga taacatctct gagagcgggtg cgatccactt gcaaattatg 240  
 gaacgcttta accaaagatc gggtttctggg taaagcagcg gcgcagtttt tgggggtttat 300  
 gacgatggat tcaaaggtct gttcagttag attccatctc cgtcgcagca aggaggaaga 360  
 agaagacacg atggatctat ctataaagca ngtagatttg cttaatcaan tcgagatatc 420  
 tanaatgtat cactgcgacg gcttggtgtt atgcntngct aangncaact ccaaggtcct 480  
 ggnttgaac cctaanttgg ggcaana 507

<210> 16762  
 <211> 487  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-009-Q1-E1-B10  
 <400> 16762

cttctacgca gnccgtagcc gtcanaaatt cnanggtcga cccacncgtc cgntgatga 60  
 gtatgggcta tcttctaagg cataccgatc ttgtctcgtt gaatcagtgg atgaagaatt 120  
 acttaagcgt ttgacaaagg tcgccaatt cttgtcttgg gaacttggac ttgaatctga 180  
 tgcaaattgca ataatttcaa atggaagggg gatatttcct gtggatgaga ggacattttt 240  
 gggccaagat ttacatcttc ttgagtcaat ggagttcaat caaagagtaa agcctgttca 300  
 agaaattatt gaaggcattg aatggcaaga tgtggatccc gatctgctga caagtaaata 360  
 ttttagcgat gtcttcatgt ttgtgtcatc tgcaatggca acacgggatc gtagttctga 420  
 aagtgcgagg tttgaggtgt tgaattcaga atacagtgcg gttttgcctg ggaaatgaaa 480  
 atgcaac 487

<210> 16763  
 <211> 403  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-009-Q1-E1-B3  
 <400> 16763

tganttcnnt cnttcggtcg gtcnnacnt acgggcenag cacgcgtcca aacacacgtc 60

cgctcacttt ctctcttctc tctctctctt tcttttttga gtccgtgaag gctaagtctg 120  
aaagaatgac gaaggatgag ttgacggagg aagagtcgnt ctctgggcaag gactacttag 180  
accbaccgcc tgtgaagacg ttcgagggtga gagagctcaa gaagtgggtcc ttctacagag 240  
ctgtcatcgc tgagttcata gctactttgc tctttentac gtgactgggt ttgagaagtc 300  
atcggcttta agagccagac ttgatataca cgccggnggn ggaccttggt cnattgtcgg 360  
cctcntagga accncttggg ccttngngng catgaanttn acc 403

<210> 16764  
<211> 497  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-009-Q1-E1-B4

<400> 16764  
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gctccggaaa aatccagaac tcagaccaag tgctgctgag cttcttagac aaccgctgct 120  
tcaaccgtat atccagaaga ttcatttgaa agtgaatgat ccaggaagta atgtgttacc 180  
tgcgcaatgg ccagaatctg aatccgccag gagaaacagt tttccagaac agagaaggcg 240  
tcctgctggc aaaagccata gctttgggtcc aagcagggtt aggggtaacc tagaagattc 300  
tgtttcttcc ataaaaaaaa ctgtgcccgc atatctgaat cgtgaaaggc aagtggactt 360  
gtctacagat gcaagcgggt atggaacggt tgttcgtaga acttcagagg cttctaagag 420  
ttctaggtat gtaccagtga gaacttcggc tcacctgtga gaactagaca gnctaagagt 480  
gancttgggc nacttcc 497

<210> 16765  
<211> 144  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-009-Q1-E1-B7

<400> 16765  
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aaagcaagta ntactacana gggtagacgt tccattgctt aatgatgaan catcatcant 120  
acaagcaaac gtgtttttca tcat 144

<210> 16766  
<211> 420  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-009-Q1-E1-B8

<400> 16766

tatggatcat tctaagttga ttgaagattt caatgagtca tcttttagagt ttcagaggaa 60  
gattcttgaa cgttctgggt taggagaaga gacttatctc cctgaagctt tacattgtat 120  
ccctccgagg cctacgatga tggcggctcg tgaggaatct gagcaggtaa tgtttggtgc 180  
tcttgataag cttttcgaga ataccaagat taaccctagg gatattggtg tgttggttgt 240  
gaattgtagc ttgtttaatc ctacaccttc gttgtcagct atgattgtta acaagtataa 300  
gcttagaggg aatgttaaga gttttaacct tgggtggaatg ggggtgtagtg ctggtgttat 360  
ctctatcgat ttagctaaag atatgttgca agttcataag aatacttatg ctgttggtggg 420

<210> 16767  
<211> 487  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-008-Q1-E1-H4

<400> 16767

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ctgaacacat caggtttggt ttcgtgtttc aactttgaga tactttctta gatttcaatc 120  
ggagagtctt ttgttccgcc aaagtttcaa tttttcaata cccacgacg gcaaataagg 180  
ttcatggaag atcaacccat taaccagtgc tcnagtagca ccaatgcgtc tgagaaaact 240  
ccagaatcaa cccttgagct taacatcaaa acgttagact cgcgacgta tactttccaa 300  
gtgaacaaga atgaaactgt tttgctattc aaggagaaga ttgctatgtg agacanggt 360  
gccggttggg cagcagcggc tcattttccg aggacgggtt ttgaaaagat gatnatcctc 420

cctcggagta tcatttggga aaatgggcat actttacact tgattgtgag gcaaccatca 480  
 aaatcag 487

<210> 16768  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-008-Q1-E1-D7

<400> 16768

naaggtcaga anttcccggg ncgacccacn cgtccgcgga cgcgtgggtg agtacacacg 60  
 gatatgcagc tcctgaatac cttgcaaccg gtcattctaac ancaaanagt gatgtctana 120  
 ncttcggggg tgctcttctg gagctgttgt ctggctcgctg agcagtggac angaancgcc 180  
 catctggaga gaggaacctt gtggagtggg ctaaaccata cctcgtaaac aaagganaga 240  
 tattccgagt cattgatant cgtcttcagg accngtactc tatggaagaa ncatgtaaag 300  
 tggctactct gtctctgana tgtctcacca cagagattaa gctgagacca aacatgatcg 360  
 aggttgtttc gcacctcgaa cacnttcagt cttaaagtct gctataggan ganattntgg 420  
 ataacncagn ta 432

<210> 16769  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-008-Q1-E1-D8

<400> 16769

ttctttctact ttgtcttcca tcttcgccga cgagtcacat ctccgaaatc cggagccgga 60  
 gagggagaaa gaaggagaat ttgggttctc cgagatcgaa gctcttgctt cggaaccctt 120  
 gattttgttt tggaataggc tattttttta gtaaaagagg aaatggtggg aagtagtaat 180  
 tcgttagcgg gtctacaaga ccacttgaaa ttagcgagag aatatgcact agaaggatcc 240  
 tatgacacat ctgtcatctt cttcgatggc gccattgctc agatcaacaa gcatttaaac 300  
 acccttgacg atccttttggc ccggaccaa tggatgaacg ttaaaaaggc cataatggaa 360  
 gagacggaag ttgtgaagca attggatgca gagaggagag catttaaaga agtcccact 420

gggcg

425

<210> 16770  
<211> 55  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-008-Q1-E1-E10  
  
<400> 16770

cacaggattc gcacgattcg gaagtgtnc a tcgccgtctt cgttttactc acttc 55

<210> 16771  
<211> 434  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-008-Q1-E1-E11  
  
<400> 16771

gctctttatt caatctcggt taaaattaac ataatgatga cgccagtga gaaaagtatc 60  
gccattagac cggtgtcggt ctacggaaac gggcttctctc gtctctcggtt cttcganaat 120  
cctaagttca atgattaccg tggtgatcct cccctctctg tgctagatcc tcttctctca 180  
tgggcgagag acgctcactg gtcaatgggt ggtctcaact tcacgcgtct ccgtctccaa 240  
ggccggatcg aaggaaacgt caacaagctc cgtgcacagc ttgagaaatc caccctgtg 300  
aaactcgaat ctggaaggaa gaagaagaga tctggttctg agtctcctcc ttctgctccg 360  
attgtggtga aacgaaggag gtacttagat ctgaacgatt ctgatgatga ggaagtcnga 420  
tctgaagatg aagg 434

<210> 16772  
<211> 454  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-008-Q1-E1-E3  
  
<400> 16772

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 tccgncgaaa accatggatt aggggtttttc agtttcctct ttcaatcgat taaccacag 120  
 aacaaagtat ctcttacctt cgggttttaga tattctcttc gtctccgtct atagnatcat 180  
 ttctcaaagt cgacttacga atttgactca ggagataattt cgtttgtgat tttgttaagg 240  
 ctagcttcaa ttctattcag attaatcaat ggattctcag atgctcgtgg cgcttgact 300  
 atcccttggt gggggattaa gtacctcttt aggtgcgctt tttgtgnttc ttagtgngaa 360  
 tcccnntatg aagatgcntg ganttcnana gggttttgct tcaggtctga tgttgnnacat 420  
 acgttcttgg attggcncat actgcnagtg anac 454

<210> 16773  
 <211> 487  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-008-Q1-E1-E5  
  
 <400> 16773

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 gtttcaatag ctatgcggat actagtggag ctggaaatga tgtttatgag tttgtaagta 120  
 ttaacataga gatgttcttt cttcttctta tgctgtttct taaagatttg gagtttattt 180  
 tgtgcaggta aagtcgattg ggaagttaa ggagactaaa cgaacagagg ggatatcgac 240  
 atctgatata atcatgagaa tagtgaaaga ttataaccag tatgtgttgc gtaatctgga 300  
 ccgaggttat tcaagagaag aactcgggtg cagcttcggt aaggagaaga ggcttanagt 360  
 gaatatgaga ttgaaagaaa cctacaagag aaaagttaaa gaacaacang aaaaagatac 420  
 aaaccgtagc aaaaactgct gggatgcacc atgatgagtg gcttgaaaat gctgatcggt 480  
 ggggtgg 487

<210> 16774  
 <211> 221  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-008-Q1-E1-E8



<400> 16774

ggncccggn cgactcaanc gtcenacata atctcaggn aagctctgtt actcctcttt 60  
tgctttatct tancatgttt tcttatcttc agcatcacia gatctggacg aatctcccgc 120  
ggggccaccg cgctgcctcc aggatctcca cggttaccga tcatcggaat tattcacctc 180  
gtcggaaaag tccacatcgc tcattcnncg agcnctcana a 221

<210> 16775

<211> 496

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-008-Q1-E1-F11

<400> 16775

nnnnnnngnaa cttttacgcc nctcngtagc cgtcenaaaa ttcnagggtc gacccacncg 60  
tccgctttgt taaatttgaa gttttcgaac aagttgcaaa gaatgcggtg aggggactat 120  
gggcacgtcg ttcaaacttc gacttggttg gtgctcacat caatgtcttt acaggtgaat 180  
ggacacagaa ggtaacaaaa aatggcttct gtatatgtca gaagaactan ggtttgatga 240  
actttgcttc aacaaactaa ttagtctttt tttgtcacc aaattctaaa atggtagtgt 300  
ttacttggca ggatgctggt ataggaacaa gcattgattc cttctatgag tatctactca 360  
aggcttatat actatttggg gatgangaat atctatacat ttttcaagaa gcttatagat 420  
ctgcaatgca gtaccttcac aangatcctt ggtaagcttt ctgtatcttg tatgatanag 480  
aaacaagaac aaacaa 496

<210> 16776

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-008-Q1-E1-F12

<400> 16776

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tccgccaaact cacaaaaatg gcgattcgtc ttcctctgat ctgtcttctt ggttcattca 120

tggtagtggc gattgcggct gatttaacac cggagcgta ttggagcact gctttaccag 180  
 atactcccat tctcaantct ctccataatc ttttgacttt cnattttacc gacgagaaaa 240  
 gtaccaacgt ccaagtacgt aaaggcggag taaacgttaa canccataaa ggtaaaatcg 300  
 gtancngaac ngccgtgaac gttggaaagg gaggtgtacn cntggacnca ggcaagggca 360  
 agcccggaag atggactcac gtttngcgtt ngcagccgga aaatgtcacg gaagtggccg 420  
 tcgcaatnca gaccgggtta anccnggtta aataaccg 458

<210> 16777  
 <211> 76  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-008-Q1-E1-F5

<400> 16777  
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 ttttgtttca ctctgc 76

<210> 16778  
 <211> 431  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-008-Q1-E1-F6

<400> 16778  
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 gcacctgctg atcgaagggc tctcaagata gctcggttca aacgtcaaaa ggctgcagag 120  
 gcaaagcttc ttgaaattaa agagaggaag gagcgacgtg gacgttccac taaagcatca 180  
 gctttgtcga ctccggttga atctggagaa gatgatattc cagatgatga cagcgaagaa 240  
 gagagagagg cctggctctc ctcaattaac ttggctatct gtaaggctat tgatctgttg 300  
 gaaatgctaa agagagaaga ggaaatgctc tctgcaataa aggaaagaca gttgaaggat 360  
 ggagaagggtg gatcttctcg ggatgctctt gatgatcgta caaagaaagc tgaaacctgg 420  
 cacagagacg c 431

<210> 16779  
<211> 66  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-008-Q1-E1-F7

<400> 16779

ngtcccgggn cgactcacac gtccggtttt ttgcaacgga aaaaggaaaa aaaaaaaaaa 60  
aaaaag 66

<210> 16780  
<211> 502  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-008-Q1-E1-G1

<400> 16780

gnntgnngna acttcncgc gtacggtgcc ggtcncnaa ttcaacgggg ncgacgcacg 60  
cgtccnattt aancgggaaa aagttcagtc agtgacacta atgttcgaat cgaacatggt 120  
tcttcaaaca ctatcttctt cttctcctcc aantcacgt ctctatcttc ancattctca 180  
gattctccct tcttctgggt caccagcaa gatttctctt cagatacatg gaaggacttt 240  
ggccattoga tcttttcatg aaatttctgc tacaggttta ccggctttga acaaagcttc 300  
cttgaagaag ctaccaatca aaggatctac ctttctgctg gggcanagct tgttgatggt 360  
ttctgctcan ccacagttgg gcancagcan cagaaatcat aangnctgaa ccganttacg 420  
aaagtttggg gagttaattg aacntagtag tcagctttcc tacttgccng ttacnactgg 480  
ggttgcttgg agtttggtac tt 502

<210> 16781  
<211> 497  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-008-Q1-E1-G2

<400> 16781

gntngngnaa cttcnangct gntcgggtgnc cgtcacnnat taaagggncg acgcacgcgt 60  
ccaacaactn ccaaaaatgg cgattcgtct tcctctgata tgtcttcttg gttcattcat 120  
ggtagtggcg attgcggctg atttaacacc ggagcggtat tggagcactg ctttaccana 180  
cactcccatt cccaactctc tccataatct tttgactttc gattttaccg acgagaaaag 240  
taccaacgtc caagtaggta aaggcggagt aaacgttaac acccataaag gtaaaaccgg 300  
tagcggaacc gccgtgaacg ttggaaaggg aggtgtacgc gtggacacag gcaagggcaa 360  
gcccggagga nggacacacg tgagcggttg cagcggaaaa ggtcacggan gtggcgtcgc 420  
agtccacacg ggtaaaccgg gtaaaagaac cgacgtacga ntcggtaaag gcgtgttacg 480  
tgcacacgcg ccacang 497

<210> 16782  
<211> 504  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-008-Q1-E1-G8

<400> 16782  
ggngtgngn aacttccacg cgtcacngtg ntcntgttna nggtcacagn gtncccgggn 60  
cgaccaagc gtccttctg ctctctgctc gtttttataa gcctccactt cccgccaagc 120  
ccctcttagc cataaacagt gaaaaaccct tttgttctt caccaagctc taagacccta 180  
tccatggaga cgccgacgat gaagcctgat acggttttga ttcttgatta cggctcccaa 240  
tacacacatc tcatcactcg ccgtattcgt tctctcaacg tcttctctct cgttatcagt 300  
ggaacttcat cgctcaaac aatcactanc tataanccac gagttgttat cctctccggg 360  
ggctctcact ctgttcacgc gctcgacgcn ccgagtttcc ccganggggt tatcgaatgg 420  
ggcagagtcg aacggtgttt ctgtttgggg atttgctagg gttgcaattg attgtgcana 480  
aanttggtgg tgttggttgg ggaa 504

<210> 16783  
<211> 431  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations

<223> Clone ID: LIB25-008-Q1-E1-H11

<400> 16783

gntctctant gattcaattg cgtcatagta taatctccat caacacacag agacgataat 60  
tctcataggg ttaaggggaat tttgggattg aatgacgttc gttgacgatg atgaagagga 120  
agacttctct gttcctcaat cagcttccaa ttattatttc gaagatgatg ataaanagcc 180  
tgtttcgttt gctcgtctcc caattcaatg gagcgtggag gagaaagttg atggtngtgg 240  
tttangtttt tacttgcgag gaagatctga taacggcctt ttgcctctgc ataagcttgt 300  
taaggcttgg agatacgatc tttcgaactt ccagcctgag atttctgttc ttacgangga 360  
taatatatgg attaagcttg aggaancgag gaaaagctat ggggaattga ttanaactgt 420  
tttggtcacg t 431

<210> 16784

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-008-Q1-E1-D6

<400> 16784

agcggagatt ctcagtaggg ttccgttgac atctctaaga gcagtgcgat tgacttgcaa 60  
aaagtggaac gatttatcca aagatcggag ctttctcaag aagcaaactg tcgaaacaaa 120  
gaagaagcaa ttggaatcga aggagattga ggtgatcatg atgaggaatt ttagggttta 180  
tctaacaagc atcgatatcc acaacaatgt tgatccatca tttacgccta aaggtacact 240  
tattagctta agcgatgatg caaaccatca tcaagtcgat aatgtatcta gagtctttca 300  
ctgcgatggt ttactattat gcatcaccaa agacctccac tataggcttg tggtttggaa 360  
cccttatttt ggtcaaacaa gatggatcca acccagaaat tcttaccaca ga 412

<210> 16785

<211> 497

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-H11

<400> 16785

tgggntnnng aatgtcttcc tgnnttaggg tccgtgatcc cgggtngccc acgcgtccga 60  
 aaaagatgga acctcagaga aaacactcga cagccctcca cagtggtcat cctgcccggc 120  
 gaaccattcc atacagaatc tacgccgtat ttcacacgtg tggcatcata gctctcatgt 180  
 atcaccatgt aactcaatt gtcaacgcaa acaacactct aataacatgt cttcttctcc 240  
 tctccgatat tgttctcgcc ttcattgtggg caaccacaac ttccctccgg ttaaaccoga 300  
 ttcattcggac cgagtaccct gaaaaatatg ctgctaaacc ggaggacttt ccaaagctgg 360  
 acgtttttat atgcacggct gatccgtaca aggagcctcc gatgatgggtg gttaacaccg 420  
 ctttatcggg gatggcttac gagtatccgt ctcataagat ctcaagtgtt cgtatcggac 480  
 gatggngngn tttcctt 497

<210> 16786  
 <211> 446  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E2-H3  
  
 <400> 16786

gnnnggagtg tntgtttgnc ctgccggtcc gatataaagg gtcgaccnac ncgtccggna 60  
 aaactctcgt ccgagatata tcgactccgc gaccctccac tactctgctg atctacacac 120  
 acacacaaaa naaagaaaaa actcaatcgc cancancaat ggcgaagctc acatttctct 180  
 tcttcttttc ctttctcatc ttctcctcat ccctcgcttt ccaatcagac gagctcctcg 240  
 ttgacgacga cgaatttggg ctagaaggag caaagccccg ctccaccgat ctttacacat 300  
 cttcttcttc ttgccacag cagcagcanc agactccaac tatccggaga agatactcag 360  
 atcctaccga nttgggntca nangtccant ttnatcctcg aaacatgccn ttccgggtgga 420  
 ccngaattt tttcccccg cnggna 446

<210> 16787  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E2-H9

<400> 16787

caagaactaa gcaatctctt gtaagtcaaa aggcagcaca agcaatcatg ttgccaaagt 60

tcgatccaac agaccaaaaa gcttgtctgt ctcttcttga ggatgtgact accaacgtaa 120

agcagattca agattctgtc ttggaagcaa tactttcacg taatgctcat accgagtatc 180

ttagtggttt cctcaacggg caagctgata agaaaagctt caagaagaat gtacccggtg 240

taacctacga agatattaag ccttatatcg atcgtatcgc caatggagag ccgtctgac 300

tcattctgtga tcgaccatc agtgactct tgactagctc aggtacttca ggaggagttc 360

cgaagctgat tcctttgaca acaagangag ttggaacaag aggattcgtt tgcttctctc 420

natagacctc ca 432

<210> 16788

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-007-Q1-E1-A1

<400> 16788

ctcttctctt cttttccggt tatctctttc gcagcttctc aggccgcgaa gactttcatt 60

ttccgtatcg atggtggatc tatgccttct attttcccga cgcactacca ttggtatagc 120

accgagttcg ccgaagaatc tcgaatcgtc catgtttacc acacagtctt ccatgggttc 180

tccgccgttg ttactccaga tgaagcagat aatctccgta accaccagc agttcttgc 240

gttttcgaag accgacgtcg agagcttcac accacacggt ctctcaatt tcttggnnta 300

caaaacaaa aaggactatg gtcaaaatct gattacgnt nagacgtaat caatgggcgt 360

ttttggacaa ccggnanttg gccgggancg ggaggagttt ccanattctt aaaccccggt 420

ccaaattcc 429

<210> 16789

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-007-Q1-E1-A10

<400> 16789

tgcttcactg tcttgtcgat tctgcttctc caaaaaattt cttcttttagt tctgagtttt 60  
tctctgttct gaaaaacccc aaattttgtt ttttttggcc attcaaaatt tcagaagaag 120  
gcgatacaaa atcgtctttg aattctcttt gtttatgata tgttcaagta aaggaacggt 180  
cgtaattgct actagaagct catttcccag attactaaac cggattcaaa atcgaaatga 240  
tgttccgatt agtgtcatag ctactcgacg atcatcaatg tcggtggagg cgtttccgat 300  
gagggttaaaa tcatcacaga agaagaggaa gatgaacatt ggttgcggtg tttccccttc 360  
ttcgccgacg acgacggtgg tagatgagga agtaaccatt angcggaat tggcaatgaa 420  
gaa 423

<210> 16790

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-007-Q1-E1-A11

<400> 16790

aatattcatc tggagaatta tcgtctcttt tctccattgc tatggctctc tcaactactc 60  
cttctcagat gtccgttgca cttccaacta gaattgatgg gtcgagccga tctatgatta 120  
aggttcaaag tataagcttc actgataagt catgggggtcc tcctctgctg agactagatt 180  
cgaaatctag aagcttaggt gtgaaaaaaaa ggtccacaat atgcatgtca cttcagcaat 240  
caagcaaatc caaagtcttg gttactcttc tagaacttga agatcccaaa gagactccct 300  
taaacttggt tangcctaan gagccttata ctgcaactat tgtttcggtt gagaaaattg 360  
ttggtccaca aagcanctgg agagacttgc cacattggt 399

<210> 16791

<211> 207

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-007-Q1-E1-A2

<400> 16791



tggacgtact ttggccgact acaacatcca tgaaggagtc tactcttcac ttggtcctgc 60  
gtcttcgtgg tggtttctaa atctcgtctc tgtaggctt aagaagttca atgtttcgtt 120  
tcatgtaaaa ctttggtggt ttgtgttttg gggccttgtn gnagccctgn tgaatngctg 180  
ttctagctat gtttcggttc natntga 207

<210> 16792  
<211> 409  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-007-Q1-E1-A5  
  
<400> 16792

atcttctcat agctctattg ttcgaaaatt ctgaaacgaa cgttaccact atggacacta 60  
agatcggatc tatcgacgcg tgtaaccga ccaaccacga tatcgggcgt cctccaaacg 120  
gcggagtctc caccgttcaa aacacaagtc cacttcactc caccaccgtc agccctgcg 180  
acgcgactct tggccgttac ctagcaagac ggtagtcga aatcggcgtc accgatgtct 240  
tctccgttcc tgggtgatttc aacctgacgc ttctcgatca cctaatacgc gaaccaaacc 300  
tcaagctgat cggttgctgc aacgagctta acgccggata cgctgctgac ggttacgcna 360  
gatntcgccg tgttggtgcc ttgcgtcgtt acgttcaccg tcggtggat 409

<210> 16793  
<211> 221  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-007-Q1-E1-A7  
  
<400> 16793

ntggttaanc ncgancacgg nattgntcag acgggacggg atgtaggaga ttccgagtta 60  
cagcttgaga gggtaaatgt atactacaac gangcgagtt gtggaaggta cgttcctcgc 120  
gctggttctc aatgggattt ggagcccnga aaccaatgga caagtgtcag attctgggnc 180  
cgttacgggt caagantctt tcgaacgggg ataaacttcn t 221

<210> 16794  
 <211> 410  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB25-007-Q1-E1-A8  
  
 <400> 16794  
  
 tttcaataaa aaaaatcccc tcctctcat atttacctcc cgaataaaac cggagggaga 60  
 gaaaaaacat aaaaagcaaa aaaaaggtta aaatcaaaaa ggggaaaaat atataacaac 120  
 aaaaaaaaaa agttagaaaa aatggcagta ggaaagggttg tggatatctgt ggcatcactc 180  
 ctcttagtgg tgggtgttgc cataggagtt atcacgttcg ttaataaagg aggcggcgcc 240  
 aatggcgaca gtaatggtcc cataaactct catcagaaag cggttcagac aatttgccaa 300  
 gtcaaccaca gaccaagggtt cgtgcgcgaa aacactcgac ccagtcaaaa gtgatgattc 360  
 aagcaagctt gtcaaaagcc ttctgatgg ctactaaaga cgcgattaca 410

<210> 16795  
 <211> 426  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-007-Q1-E1-A9  
  
 <400> 16795  
  
 ctttttcctt tcatactcgt cttcacatct gaattccgac aagatattgc gtctgtcttc 60  
 ctctcttccc tcattctcgt cttctcatta ccaaaaacat cttcttctcg tagctaactc 120  
 aatccaattc caatctccat tcaaactcgag caccagataa ttttttctcc taaattctaa 180  
 tataagccct aaaattcaaa attgaaatat ctatagaatc tccttccgat tcagacggat 240  
 aatcgccatc aacagcgtgt gaattcgatc aaaaatctga actttccaca aagaaattcg 300  
 aaagctcaga tttttcgatt tcgaaaattt tgaaaactca gttaatgggc ggattttcag 360  
 acatcaacac aacggggcca agtggatttt cactcccaga aactggnaga gagatataaa 420  
 gctggg 426

<210> 16796  
 <211> 68  
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-007-Q1-E1-B11

<400> 16796

ggggagatca gaaggagggga agaaatagcc ggtgattgtg ttactctgcg ttgcancagt 60

antgcctg 68

<210> 16797

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-007-Q1-E1-B4

<400> 16797

ngataagaat caatggccaa ggaattagca gagaaagcta aagaagcttt tctagatgat 60

gacttcgatg ttgctgttga cttatactcc aaagccattg acttggatcc caattgcgcc 120

gccttcttcg ccgatcgtgc tcaggccaac atcaaaatcg ataacttcac tgaagctgtt 180

gtagatgcga acaaagccat tgagttggag ccaacgttgg caaaagccta tctcagaaaag 240

ggcactgctt gtatgaagct agaagaatat agtactgcta aagcagccct ggaaaaggga 300

gcttctgttg caccgaatga accaaagttt aagaagatga tagatgaatg cgatcttcgt 360

attgcagaag aagagaaaaga tttggttcaa ccgatgccac cgagtttgcc ctcaagg 417

<210> 16798

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-007-Q1-E1-B7

<400> 16798

aataacatcc cttgtgatca aacaagtaaa ccattcaaaa gatgaaagga agaattttga 60

ttttgagttt gctcataatg agtctgggtca tggcacaagt tcaagtagaa gcaaagatct 120

gctgcccttc caaccaagct agaaatggct atagtgtatg ccgtataagg ttttccaagg 180

gaagggtgat gcaagtgagt ggatgccaaa actctgatac atgccctcga gggtgggtaa 240

acgccattct cgaaaactca gctgatgcta ccaatgagca ctgcaagtta ggggtgtgaaa 300  
 cttctgtgtg tggtgccatg aacactctcc agaactctga tgcaagtga attgtgaatg 360  
 gagcgtcgga acaatgtgcc aagggatgtt ctatcttctg taccaagagt atgtagtc 418

<210> 16799  
 <211> 499  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-007-Q1-E1-B8  
 <400> 16799

nnnnntgtg ngnnnnntng nagcattttt tangccgncc ggtancgnan cnnagaattc 60  
 gcnggncgac ccacgcgtcc gagtgattca tatcaagcaa caggatgtta caatcttcta 120  
 tgttcgggat ttatccaaac aaataacaag attgccattg gagcagccat atctcctctt 180  
 tctacgttca aaggaaacca gtttgatata acaataactca tttggaagga tccgaaaatg 240  
 gggaattggt ggatgggttt aggggatagc acactagtcg ggtattggcc agccgagcta 300  
 ttcacgcact tggccgacca cgcgactacc gtggaatggg gcggtgaagt cgtcaacaca 360  
 cgtgcttcag gcaggcacac gacgacccaa atgggctctg gtcattttcc agacgaaggg 420  
 tttgggaaag caagttatct tcggaatttg gaagttgtgg attccggaca acagtctcgt 480  
 accggttcat gatgtcang 499

<210> 16800  
 <211> 418  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-007-Q1-E1-B9  
 <400> 16800

aaaacaaaaa tatcacagat ccaaaagatc ggattaacat aatctctcca aataatcatg 60  
 cgttactctc atactctcca gcagttctca attctatctt tcttcgttac aatatggacc 120  
 gttcaatcag taccaccaca accaccgatt cgatgcgacc aaaccggctg caccgtctcc 180  
 aacgcgtacg gcacgtggcc tgaccgcaaa acctgtcacg cggctaacgt cacataccca 240

acgacggagg aagaccttcg taaagccgtt gcttacgcgg ctgagcaca tctcaaagtc 300  
 aaaaccgtca ccaaattctc tcacaccata ccgaaactcg cttgtccttc angttcagac 360  
 gcattgctaa ttantactcg aaatataatt cggttatcga gattgaaccg gaactgtt 418

<210> 16801  
 <211> 454  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E2-H1

<400> 16801

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 tgtggtagtt ggtgttttag aacttggtat ctggcctgag agtgagagct tcaacgatac 120  
 aggtatgtcc cctgttctcg ctacttgagag aggagcttgt gaaactggaa aaagattctt 180  
 gaaacgtaac tgcaatagaa agatcggttg tgctagagtt ttctatagag gctatgaagc 240  
 tgcaacggga aagatcgatg aagagcttga atataagtca ccgagagaca gagatgggtca 300  
 cgggacacac actgcaacta ctgtacctgg gctcacctgt ttaaaggagc taatcctttt 360  
 gggntttcct tatgggacaa ctcganggat ggtcaaaaag ctaaaatttc cgccttanaa 420  
 aantccgtnn ggtccgaagg tgttcaattc aaaa 454

<210> 16802  
 <211> 84  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E2-E3

<400> 16802

cgctcctgga gtgactccca aaggtattcc cgntttaact gtttttgata aaacgcccct 60  
 tggggaaatn taattgcaag gcnc 84

<210> 16803  
 <211> 96  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E2-E5

<400> 16803

gacattangg gacacatacc cagcattcna atgcgttaaa acggtnggag aagaacaaag 60

ttgaaatccc aggaactcaa attttgngnc ccatac 96

<210> 16804

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-E6

<400> 16804

atagccaacg gatccgccat gactgctcgt aagagaactc cttcagtgtc caattcggag 60

aaactagctc tacctgaacc tgcactctcc ccgacgggtc agaagacctc tgtttccgga 120

gaggatttcc agctcgcgcc gccgaaattg ggcgtgattt tcgtgatctc ttcgcttctg 180

tgttcgcttt atctttacct tctctgtttc cactacaatg ttgacaatga gctcaagcgt 240

ccgacctca ttaacgctgg gcttagcttg gttggattct ttgtcacact caagttgatt 300

cctgtagctg ctagatacgt tctgatgcgt aatatgtttg gttttgatat caacaaaaag 360

angnactcct caagggagaa atttagagtg cctgaatcaa ttgggaaatg ttgtccggtg 420

ntgtccttct gatantgggc gaatggtatt tcaanttct ta 462

<210> 16805

<211> 53

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-E8

<400> 16805

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<210> 16806

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E2-E9

<400> 16806

aaaatnaaaa cgacgatgga ggantttccaa tctcctagaa tacgatctta caaatcgatat 60  
gaaggagata ggaacctcca actggttaat cctgcanatt taaaactggc cagaggggata 120  
tatgttggtta gagaatcgag gcgcaatcga tctccgataa aancagatat atggcgcaag 180  
atgtcttaca aagacatgcc cgtagaccg anaagatctt cttctcattc gacattgttc 240  
aaaggatggc ggaacgatcc ggagataaag agaaagagac gagtggcgaa atacanactc 300  
tattcagccg aagggaagtg aagatnactt tgagaaagag ttacanatgg attaanatcc 360  
aatgctcgnn gatcattcat ggnatataag tctctcnatc tcnactctgt tttaactgtt 420  
tanaagnttg ntttgaaaa 439

<210> 16807

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-F11

<400> 16807

attcgaggag tttccatggc ggaacagaaa ccctagagcc tttatgctgc cactaattat 60  
cactcttcac tattgaattg gggatggact cagagaaaat cctcaatcca agacttggtt 120  
cgattaatag caccagccgc aaaggatatgt ccgttgagtt gccgcagaaa ccgccgccac 180  
cgccgtcggt gttagaccgg tttaaagctt tgcttaatca gcgtgaagat gagttcggtg 240  
gtggatgaaga ggttttgcct ccgagtatgg atgagattgt tcagctttat gaggttggtt 300  
tggttgagct tactttcaat tctaagccta ttatcactga tctcactatt atcgttggtg 360  
aacaacggga acatggtgaa ggaatcgcta atgctatttg cactcgaatc cttgangctc 420  
ctggtgaaca a 431

<210> 16808

<211> 457

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E2-F3

<400> 16808

attcccaact tgtggctatg cagctataaa cacatcaagt cttttgtcaa taagacaaac 60  
tctgagttct cctgggtggat tttatgagtt aggccttcttc agtcctaata atacncagaa 120  
tcagtatgtc gggatctggg tcaagaagat tgttcctcgt gtagttgtgt ggggtggctaa 180  
cagagatacg ccagttacta gctctgcagc anatctcact atcagcagca atggggagcct 240  
gatcttgctt gatgggaaac aagatgttat ttggccaaca ngaaaagctt tcacatccaa 300  
caaagtcat gcggagctct tagataccgg aaattttggt gtaattgatg atgtttcaag 360  
gaataagttt atggcaaaac ttcgaacatc ntggnaatac aatgctgcct cnagtctca 420  
ntgatgtang atacctctaa tngcangaag cntttgt 457

<210> 16809  
<211> 450  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E2-F5

<400> 16809

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ggagaacaca tgtctaaggg atctggatca tctgggttcg atggaagctc tgggtgaggg 120  
acaagtggga ctgagcagac gcctgaagct gaattcgagg aggccagtgg ttcaaggaag 180  
tgaggttgcc gctaaccggt tccatacaga aatcaggttt ttcccaaaat aagtttacat 240  
gcttatctcc tccctcacia atttgattag ttttgtgtat ttaaaacctt atttgagagg 300  
tatcatctct tcgaaaccta ttgagagtcc cggatgtant ttgtttgatt ggtattttca 360  
tgaagtttac gggtattatc cttgaccggt taaatgagtc aatttcacat aaannaaaaa 420  
aaaaaagggc ggcgctctaa angatcaang 450

<210> 16810  
<211> 466  
<212> DNA  
<213> Arabidopsis thaliana



<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E2-F6

<400> 16810

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attctgggat ctgtagctgc aatctatgtg gtcatggcac catatactaa ggtggaagag 120  
agcttcaacg ttcagtcaat gcacgacatt ctttaccatc gccatcattt ggactcttat 180  
gatcatttgg agttccccgg tgttgctcct cgaactttta ttggagcctt catagtctct 240  
gtttttgcat cacctgttgt atcaattatc aagctgcctt ggnttccccca aggtttatac 300  
ccttgttgca cctcgtttgg gtgttgggct gcatcatatt gtccacacta agatttntcc 360  
cggattcaga tnanaaaan ngtttgggaa atccaagtgg gaaactttcc ttgnaacttt 420  
tcancaagtc ngcaagnttc aatttccttt tcanngcac tcngtc 466

<210> 16811  
<211> 380  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E2-F7

<400> 16811

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agaagaaaaa cacaaaaaaa aataaaacct ttctatttct cttcctcctt tgagctttga 120  
cctctcctcc atctccccca cccttttatg caacaatggg aaattgttgc tctcacggac 180  
gggactcagc cgataacgga gacgcattgg aaaacgganc ttccgcttca aatgctgcca 240  
attcgactgg tccaaccgcg gaagcttctg taccanaatc aaaacatgca cctccttctc 300  
ctcntcatgc anccanncaa ggcctaatng gccctgtcat aagtcgaccc atggaanatg 360  
ttaaagctt canattctta 380

<210> 16812  
<211> 411  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-006-Q1-E2-F9

<400> 16812

aagtcggaat ttttccgaga aaattcaaaa gggcgaaaaa aagagctttt gcgtacagtt 60

ttcgaattgg tctccttcgt acgggcaagc tatggttcaa gagaactatg aatgaaactg 120

tggtgtaaga gaatatcaat ggttggtatc tgctataatg ttttttggac caagtgagtt 180

tgatgctgat gaaatgggtt atgcaatgag tagacttgag atagaatccg atctatgtga 240

tactggaaaa gacgtttgtg gagttggtag tagtagtggt agtcacagat caagtgaaca 300

tttggctgat ctagaccatg aaatcagcca ggttactaaa ttgaaatcta atcctcatca 360

acggtataac cgtgaagtc ctgggagaca tcagttacct gtgtctactg g 411

<210> 16813

<211> 449

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-G1

<400> 16813

tcacattttg taacaataat acaattatac attaaaactc tccgacgatg cctcaggcac 60

cgatgccaga gttctctagc tcggtgaagc tcaagtacgt gaaacttggt taccaatatt 120

tggttaacca tttcttgagt tttcttttga tcccgatcat ggctattgtc gccgttgagc 180

ttcttcggat gggtcctgaa gagatcctta atgtttggaa ttcactccag tttgacctag 240

ttcaggttct atgttcttcc ttctttgtca tcttcatctc cactgtttac ttcattgtcca 300

agccacgcaa catctacctc cgttgactaa tcctgttaca aaccaactgt cacgtgtcct 360

gtcccctcgc aaanttcaag ggaaaacccc cgttttattc ccaaggncan gcctaananc 420

gtcnagttca aatgagatc cttgaccgt 449

<210> 16814

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-G10

<400> 16814

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tccaggaacc cgaagtcgta tacgtgcttc ttaatcgctt cctgaccat gtctccgccg 120  
tactctccgg ctttcacagg tttagactca aaggccgtgt ctatccaaca attctaccgg 180  
acggtaccgg aaaagtcaac ggaaagggtgc taaagggcat aacagatgat gaactgaaga 240  
tgtttagatga gtttgaagat gttgaatatg acagaaagac tgttgaagta atgctgacgg 300  
atacttcaga gaagctgcaa gtcgaaacat atgtatggaa gaacaaagat gatccggatc 360  
tttatggaga atgggatttc gangaatggg ngacaacatg acaaggaaga tttcgttaca 420  
gcgaccaaga agtt 434

<210> 16815  
<211> 434  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E2-G11

<400> 16815  
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aatcgagttt aaaggggaca tggttgtggc gactccagat atcttccaag tacctctgac 120  
atctgatgtg gaattcatta ttttagcttc tgatggatta tgggactaca tgaagagctc 180  
agatgtgggt agttatgtta gggatcagct ccggaaacat gggaatgtgc agcttgcttg 240  
tgaatctctt gcgcaagtag ctttggaccg gcgatctcag gacaacatta gcatcattat 300  
tgctgatcta ngaagaacag agtgaagaa tctccccgcg cagcgacaaa acgtaatggt 360  
tgaactgggt caggetgcaa cgactatcgg tttagttact gttggcatat ggatgtcttc 420  
acatctatct taag 434

<210> 16816  
<211> 507  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E2-G6  
<400> 16816

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gatctctctc tctctcttcc tcttccatct gacctgtgat gtgagtttgc agatattcat 120  
acaactcaat cctcattccc ttgttttcgc ctctctggat ttcgangagc tgagagatta 180  
tggtttctcg atttttcgaga ttaggagtct aatccccacc accagcatag ctganatcct 240  
ggaggagaga atgacggatt cgggtctaata gatgccggcg gagattgctg gaattctaac 300  
cacggcgatt acgagttggg gggatgatgt naatgaggtc aactcagtgg caagatggga 360  
tcttttcgct cttgtggtgc ttatgctctt gtttncgeen ttgctcttgt tcaagngnta 420  
ngggttcaaa atgagaatgc ctgagtaatg gttggaccan tcangaagng ttcaaactta 480  
tgaactttgt cngtcaatgg nanttct 507

<210> 16817  
<211> 423  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E2-G9

<400> 16817

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cgtcttcttt gcaactctgc tcttccttcc acggcgagta cttagctccg tcgagatgct 120  
ttctcggagc tccggtcact tcctcttctt tctactctc cggtagaag aactcatatt 180  
ctccgagaca gttccatgtt tctgccaaga aagtttctgg gttagaggaa gccattagaa 240  
tcagaaaaat gagagagctt gaaactaaat caaaagttag gagaaatcca ccattaagac 300  
gtggaagagt atgcctcgt cttcttgtac ctgacacat tccaaggnet ccttaagttg 360  
agtctggtgt attaccggat atatcaagtg agttccaaat tcctgggtcc tgaaggnaat 420  
ggg 423

<210> 16818  
<211> 531  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E2-E2

<400> 16818

gnnnnnggaan tgtttcttag nccgcccggg ccgaaataac gggtcgaacnc acgcgtccgg 60  
ttctgttctt tttatttttt taaagaatgg cttcaatttc tgcaactttg ctttcgccat 120  
tgttactcac acagagaaaa tccaatctca catcgattca aaaactccca ttttctctaa 180  
ctcgagggtac gaatgatcct tctccattat ctcttactcg aaaccctagc agcatcagtc 240  
tgatggtgaa agctagtggg gaaagctcag attcatcgac tgatctcgac gttgttagta 300  
cgattcagaa tgtttgggat aagtctgaag atagggttagg tcttattggg ttgggttttg 360  
ctgggtattgt anctctttgg gcatcattga atctcatcac ggnaatcgac aaattgcccg 420  
ttatcctcga gcgggattcc gaactanttg gnaaccttgt tccccaacgg taagtaataa 480  
aggcttggna tcaacctcaa taagtataaa atgggttaagg ttccttgatt c 531

<210> 16819

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-B8

<400> 16819

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atttgccaag tatgggagac gctagagaca acgaagccta cgaggaggag ctcttggaact 120  
atgaagaaga agacganaag gtcccagatt ctggnaacaa agttaacggg gaagccgtga 180  
aaaaagggta cgtgggaata cacagtcttg gattcagaga cttcctttta aaaccggagc 240  
ttctcagagc tattgttgac tctgngattt gagcatccat ctgaagtgca acatgaatgt 300  
atccctcaag ctatcttggg catggatgtc atctgccaag caaagtctgg taaggggaag 360  
actgctgtgt ttgtcctgtc tactctacaa cagattgaaa catctcntgg ccaggtttcn 420  
gcacntgtcc tgttgcatat naaagaacta ncttaa 456

<210> 16820

<211> 460

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-006-Q1-E2-C1

<400> 16820

aaaacaaaac taaacaagaa acagaggaga aaaaaaggaa acgacgagga aaaacaaaaa 60  
caaaataaaa acaagcctcg ttcttccctt ttctctcttc aaatcttttc ttttacatat 120  
tttcttttct tttttttgtc ttttaatacaa atttactaac taatcagaat aaaaatgggt 180  
tcgagtaagt ttaaacgagc cataggagcc gtaaaggacc aaaccagcgt cgggtctagcc 240  
aaagtcaatg gtcgaagcgc ttctttatct gaacttgacg tagccatcgt caaagccact 300  
cgtcacgaag agtttccagc agaagagaaa tacattagag agattcttag cctaacttct 360  
tactcacgca gttacatcaa cgcttgcggt agcacgcctt cgagacgcct taataaaacc 420  
aaatgctggg accggtgccc tcaaaaacct tgatttgatc 460

<210> 16821

<211> 76

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-C10

<400> 16821

tgggtgactc tgctccttct tttagctcng atcgaactgc taantctttt gctnaacggc 60  
atgggttngg aataag 76

<210> 16822

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-C11

<400> 16822

ggctcatacc attacgaaa gatcaacatt acccgtagca tcaagcttgt caactctaaa 60  
agtgtgggtg acggtaaagt ccggtttggt ttcaatggtg tatcacacgt tgacaccgag 120  
actcctttga agcttgctga gtacttccaa atgtcagaga aggttttcaa gtacaatgtg 180  
atcaaggacg agcctgcagc caaaatcaca gcattgactg tacaacctaa tgtttctcaac 240

atcactttcc gtacctttgt agagatcatt ttcgagaacc acgagaagac catgcagtca 300  
 ttccatttgg atgggtactc cttcttcgct gtcgcttctg agccagggan gtggacacct 360  
 ganaagagag agaactacaa cttgctcgat gcggttagca gacacaccgt gcaagtct 418

<210> 16823  
 <211> 88  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E2-C2  
 <400> 16823

ttaaaaggna acaagcccc tgngtacat tagggaattc cgaaaattga anaacttttg 60  
 gggattttcc ggaaaccggn aaggaagg 88

<210> 16824  
 <211> 506  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E2-C5  
 <400> 16824

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 aaagatggaa aactgttgag cctacaacca acctctgcag atgtagtcta taaagaggta 120  
 aacgatagtg agctttcgag tccaagttca gacaacctgg aagatgcccc tccaagtatt 180  
 tctttggtca agaaacagtt tgcgggtaga tatgctatat catctgagga gttcacaagt 240  
 gacttggttg gtgctaaatc aagaaatatc gggatatctga aaggaaaagt tccttcttgg 300  
 gttggtatcc caacttcagt tgcgttgcca tttggtgttt ttgagaaggt tatctccgaa 360  
 aaggcgaatc angcggtgaa cgataaattg ctagtattga agaaaactct tgatgaagga 420  
 naacaangtg ctctgaagga aatccggcan aactgttgg ggctagttgc acccccagaa 480  
 ctgggttgaa naactgaaaa gtncta 506

<210> 16825  
 <211> 378  
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-C7

<400> 16825

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atcctctttt tggtcacctc tgaaatatct gagatagaag cgaaagataa ggaatgtcta 120

aaaggataca ttgatgcgcc tttaagctat tgtatggcta ngatttancc gtcgttgtgt 180

tatcgaaatt gtcgttttta caanggcgcn aaangtggaa aatgcgacgg tcntaagtgc 240

ttctgcgact tctgcaacga caagnctttt tantccgttt ctgatgagaa atgtttgaat 300

cctggcatgt nnnaatggnt tgtgtaatga tttaaaggta acgaancaag ttaaantcan 360

ntaagttnaa taaaaant 378

<210> 16826

<211> 448

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-D1

<400> 16826

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acggccgcgcg taagccgggg attccgagga ccctatcgga ctctctaaac gactctgttt 120

ctcagactga gtatctctct tcctcttcgt cgccggacat cgagcccatt gattactctc 180

tccttccttt ctccagtcaa gagtcttctt ctctctggca ttcttcttcc aggtcaaatt 240

tcagagagga ttatccacag aacggaggtg ttgtacggag ggcgaaaaga gtcaggaacg 300

gtgctgaagc tgctgctttt actttcactt tgcttgaggc tcaagaattt ggtgaactga 360

tggancatga agatgaagtt aacttgccgc tgatgggttn angaaaagga caccaactca 420

agggttagaa ganctancnt gtcctctc 448

<210> 16827

<211> 435

<212> DNA

<213> Arabidopsis thaliana



<223> Clone ID: LIB25-006-Q1-E2-D11

<400> 16827

tgatgtgcac aagagcatta aatataatgt ttgggctagc acaccaaag gaaacaagaa 60  
gcttgctgca gcataccagg aagctcaaca gaaagctggc ggctgtccca tctttctgtt 120  
tttctcggtc aatgcaagt gacaatttgt tggctcttgc gaaatgacag gaccagttga 180  
tttcaacaca aatgtggagt actggcagca agataagtgg accggctctt tccccctcaa 240  
gtggcatatt gtgaaggatg tgccaaacag ttactgaag catattactt tagagaacaa 300  
tgagaacaaa cctgtttacca acagcagaga cacacaagag gttaagttgg agcaaggttt 360  
gaagattgtg aaaattttca aggagcatag cagcaagact tgcattttgg atgatttctc 420  
attctacgaa gttcg 435

<210> 16828

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-D12

<400> 16828

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caatttgctt cttctaccac cagttgcaga ctccgtcaaa ttgattcaag actttcatca 180  
gtctctgatt tctgctactg agaaatttaa aggattcctc cattcgctcg cctctaagaa 240  
ccctctcttt caggaagcgg ttgcgctatc ttccgaattt cacattttgt gcgacgaaga 300  
ttcgtttgag aaacactaca aaggggtgagg gttgcgatgt ctaatcacgg gatttgcagc 360  
gggttctgcc tggagattca attgcangat ttggtggttg ctaatgggtt gattaaattc 420  
ctcaancata tata 434

<210> 16829

<211> 449

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-D4

<400> 16829

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tncatccttc acgagcttat actttttctt ctccattcgt ntgtttttaa cgatnnncna 120  
caacggcgaa ggtattggaa ataagacaga agctgtagc tctgtttctc catggtgtca 180  
agatcttggtg ctaattttct agacttatca tcttgggacc ttttanattt tcctcaaact 240  
ccacgaactc ttccacgcgt catgactgtt ccgggaatca tcaccgacgt agacngtgat 300  
acaacctccg aagtaacttc tacctccggg tggttcacgt gagangaaga tnantgtngc 360  
taaacatgtt accactccaa atctaaanga natgcatnan ccgggtaaaa tgggtgtttta 420  
acctgggacc naagactctc tncaagttt 449

<210> 16830

<211> 445

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-D5

<400> 16830

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catcccatct atttcatctc ccacgaaaca cttaaactctt tatcttgaaa ctgctgaggt 120  
tgcactttta ggtgggttga tttctcattc agatgaactg gtcatgtcag ctgttgagta 180  
tctagagaat gtagtgctga cagatggttt aaaatcaatt gatatagata gtatggcctc 240  
ggttatatgc aaattgtgca gcctcttggg aatgatccca ggtaatcccg agaaaggcgt 300  
gatggagatc cttaaaagta tcttctctgc tactcgctct agttcatggg caacactgag 360  
agtaaagggtg aagattttct gtgctataat gtcactgttg tcgacacttt ctgangacaa 420  
tctgccttaa caatctgcca atcca 445

<210> 16831

<211> 471

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-D6

<400> 16831

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gcgaagagat caatggtgga tgagctggaa gcaatgtag atgtggtaga cccgcaaccg 120  
caggggaaat cattgtcgat gagaagaaga acatttgata tgccagacag tttgatccgc 180  
aaagaaatcg cagagggagt gactcagatt gtgcagatgc ttgaaacgga agaagaatga 240  
tggaatggag cactgtgtgt ttgtgactca ngggctgttt ttgttgttgt ttgtgactgg 300  
gaaagaactg atnagcctct ttaagtttga ttaagtgttc cgaatgtttc caattatgca 360  
agacaaaatt taataatgaa aatggcttga aagaaagaga ttgggggtccc cgctcgcgat 420  
cnattctcaa cctcctcaaa atccttgatcc cctccttaag tccgggttcc g 471

<210> 16832

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-D9

<400> 16832

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ccagagaaga gagtttaaaa aatgagaggt tcttgcaaag tctctatagt tcttcttctg 120  
gttttaataca atggtgtgct tggagataac ccttatagat tcttcacctg gaaaattact 180  
tatggcgaca tttatccctt tgggtgttaa caacagggaa tattgataaa tgggcagttt 240  
cctggacctc acattgacgc aatcacaaat gataatatca ttatcagtg tttcaattac 300  
ttgaaagagc cttttctcat ttcttggaaac ggagtgcac agaggaagaa ctcatggcaa 360  
gatggagtcg tagggacaac atgtccgatt ccaccaggca aaaacttcac ttatgtaatt 420  
caagtcaaag atnaaattgg 440

<210> 16833

<211> 490

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-E11

<400> 16833

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cgactcgaga gactctctct cggtcctaaag gttcgagaag tcccttaaga agatgaagcc 180  
cgagacagct cttgccttag ctaagatagt gtttggttag gacgagagag agattttggg 240  
acaagtgtca gtgccttgcc atgtcataca accaggaaac gacgtcgtag tgctgtctc 300  
cgtcgcatac ttcattgcagg agaagattaa ggggaaatcg acagtggaga tcatcgagga 360  
cgcgatcggg cattttccac agatgacatc acatttggag ctgcttggcg tcatgaggcg 420  
cctccttgag ttttaaggct tatataaaga gctttgcgtc gtttgatcga gtttctctnt 480  
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<210> 16834

<211> 526

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-B7

<400> 16834

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gcaaaaatgg ctgaaaaggc ggtcaccatc cganccagga aattcatgac caacagactt 180  
ctctccagga agcagttcgt tattgatgtt cttcaccctg gaagagccac tgtttcaaag 240  
gctgagctga angagaagct agcaaggatg tacgagggtca aggatccana tgcaatcttc 300  
gtantcaaata tcagaaccca ctttggangt ggtaaatacat ccgggttttg tttgatctat 360  
gatactgttg anagcgctna gaagtttgan cccaaataca gacttatcag gaatggactt 420  
gncactanga ttgacaaant caaggaanca nnttatngaa aggataacag ggcgagaagan 480  
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<210> 16835

<211> 448

<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-C5

<400> 16835

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ccgacgatat gaagctcacc gttaaaactc tcaagggcag tcattttgaa attaggggtt 180  
taccctccga tacgataatg gcggtgaaga agaatggggg aagattcaca aggaaaagac 240  
aattatccat gtgggcagca attgttgatg ggacaatgga aaagttttga aagatgaaac 300  
tancctggtg gagaacaaag ttacggagga aggattctcg tccgttatgc ctaacaaaga 360  
gggaatctgg angttcaact gggtcangct tcggttcaaa ctctctctgt ttcacaacct 420  
gtttccgcta acacatcttc gactaagc 448

<210> 16836  
<211> 448  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-C6

<400> 16836

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ctctctccaa ccaagccact tgtatggaag gcttcgatgg tacctctggt ctcgtaaaat 180  
cccttgctgc tggcagtctc gatcaactat attctcntgc ttagggaatt gttaccactt 240  
gtgcaaccag agcagaaaac caaaggctgt ttctaaacct ggcctattg ctaaaggacc 300  
gaaggcacca cctggccgta aactcagaga caccgacnaa gacgaaagcc ttcaattcca 360  
agactggggg cagaccggac gatcgtaaac tattagaatc aaacggtagg acttacnact 420  
tantgtacca ttggatggga anaggcaa 448

<210> 16837  
<211> 423

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 16837  
  
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 agttagagaa gatggcatcg attgatgttc atcntcgtca actggttcct ggcaaagtta 120  
 gtgaagacga caagcttggt gagtatgatg ctttgcttct agatcggttt ctcgatatcc 180  
 tccaggattt gcacggtgaa gatctccgtg aaactgttca agagctttat gagcattctg 240  
 cagaatacgg ganggaagca tgaacctaag aagctagagg agctagggag tgtgctaacg 300  
 agtttagatt caggagattc cattgttatc gctaaagcgg gctctcatat gcttaactta 360  
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 ggt 423

<210> 16838  
 <211> 443  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E1-C8  
  
 <400> 16838  
  
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 cagtcgggta taccggaaaa gcctttgagt attttacaag gctgnaaaac gaaggtttgg 180  
 atgttgacat tttcacttac gaggcgttac ttaaagcgtg ctgcaaatca ggaagaatgc 240  
 agagcgcatt anctgtcacg aaagaaatnc ntgcacggaa tatcccgcgc aattccttcg 300  
 tctataacat attaatcgac ggatgggcac gaanangcga tgtatgggaa nccgcngatc 360  
 ggatacagca natgaaaaaa naagggtgtta aacccgacat catacttaca catccttcat 420  
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<210> 16839  
 <211> 179

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E1-D1  
  
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 tattctaccg gctttatttc tttcgtctgc tttctagctc gagctatgtc tgantttata 120  
 cacaaatgtc tttcagtagc aaaaattctg cactaaaaaa aagaaaaaaa aaagggcgg 179

<210> 16840  
 <211> 71  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E1-D10  
  
 <400> 16840  
  
 aaaacanagc tcctgagctc agacaggtga tagcagcagc ngttgcangc aacaaggaga 60  
 aatataatga a 71

<210> 16841  
 <211> 491  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E1-D12  
  
 <400> 16841  
  
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 cacgcgtccg gtgaagatga tgtgcacaag agcattaaat ataatgtttg ggctagcaca 120  
 ccaaattgaa acaagaagct tgctgcagca taccaggaag ctcaacagaa agctggcggc 180  
 tgtcccatct ttctgttttt ctcggtcaat gcaagtggac aatttgttgg tcttgtctgaa 240  
 atgacaggac cagttgattt caacacaaat gtggagtact ggcagcaaga taagtggacc 300  
 ggctctttcc ccctcaagtg gcatattgtg aaggatgtgc caaacagttt actgaagcat 360  
 attactttag agaacaatga gaacaaacct gttaccaaca gcagagacac acaagagggtt 420

aanttgganc aaggtttgaa gattgtgaaa attttcaagg agcatancag caagacttca 480  
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<210> 16842  
 <211> 492  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E1-D2

<400> 16842

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 gntattctcg agaggaagaa gtctccgaac cgtctcgtcg tcgatgaggc gntcaacgat 180  
 gataactccg tcgtctctct tcaccctgca accatggaga agggtcagct cttccgtggc 240  
 gataccattc tcatcaaggg taagaagagg aagganggtg tctgcattgc tcttgcgtgat 300  
 gagacatgtg aggagccaaa agattaagaa tgaataaaag tnatcaagat tctaaacttt 360  
 gaaggggttaa gactngggga gaatgttaat aatcccgnt caaccaaag gcccgaagaa 420  
 cnttcaaagt tacggggaaa gccttgtttc aaaaaccng gcctgggttnn annaanaant 480  
 ggttngaaag gg 492

<210> 16843  
 <211> 527  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E1-D3

<400> 16843

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 ttggttcatt catggtagtg gcgattgcgg ctgatttaac accggagcgt tattggagca 180  
 ctgctttacc aaacactccc attcccaact ctctccataa tcttttgact ttcgatttta 240  
 ccgacgagaa aagtaccaac gtccaagtag gtaaaggcgg agtaaagctt aacacccatn 300



gaggtaaaac cggtagcgga accgccgtga acgttggaac gggaggtgta cgggtggaca 360  
caggcaaggg caagcccga ggaggacac acgtgagcgt tggcaacgga aaagtcacgg 420  
aggtggcgtc gcaatccaca ggggttaacc cggtaaaaga accgacgtta ggantccgta 480  
aangcgtgtg acggtgcaca cgccccacaa gggaaaaccg atttact 527

<210> 16844  
<211> 446  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-D4  
<400> 16844

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gtctcgttta tctctatat gcttcagttc aagcgattga aactcaatct catgctgatg 120  
acaaacaatg gctaacttat tgggtccttt attcattacn tacactcatc gagctcacat 180  
tcgccaaact catcgaatgg ttaccgatat ggggatacat gaagctgac ttgacttgct 240  
ggcttgttat tccctacttt agtggntctg cttatgtcta tgaacatttt gtgagaccgg 300  
tgtttgttaa ccctcggagc attaacattt ggtatgttgc caaaagaaga tggtngnctt 360  
cagaaaaaca aaccatgttg ttaacaanct gctgaaaaat ncattgcaaa agaatggacc 420  
tgaagccttt tgaaaaaant ttaaac 446

<210> 16845  
<211> 519  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-D6  
<400> 16845

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tgcaacatct gaagcagtaa cagaggctga gccaggtttg atgatgaact tctacaagga 120  
cacgtgtcct caggcctaag acatcgtccg tgaacaagtc aaactcctct acaaacgcca 180  
caagaacacc ggtttctctt ggctccgtaa catcttccat gactgcgcgc ttgagtcac 240

tgatgcgtcg cttttgctgg attcgacaag aagagagcta ggagagaaag anggggacag 300  
gagcttcgga cttagaaact ttaggtacat cgaggagatc aaggaaggte tgcagangga 360  
gtgtcctggt gttgtctcan gttctgacat tctcgtcttg tccgcaagag aaggatcgaa 420  
ncantaggag gangggatat tcctttgaag acaggaagga nagatggnc taaaagcagg 480  
acgatatgcc cnantcatat cttcccgaca caacaagat 519

<210> 16846  
<211> 438  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-D7  
<400> 16846

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atctctcttc atttcctttc tcttcccacg ctcaagcttc tggtaacctc ggtgatgatg 180  
aacttatgtt caaccagct ttggcttctt ggcatatgta tcttggcgag gttgaagaca 240  
ctcaaaacag agtttctttt gtgggtggag gaacggtatt gaagatcccg cttttctatc 300  
ntgaaggagt ggttcnattt cctgaggcaa cactcccccc ttagaatcat tgggcctant 360  
tccttggctg cngttgagan agctttgaac caagctaacg ctccttctac gataaggtgt 420  
gattcgtggt taaagana 438

<210> 16847  
<211> 440  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-D8  
<400> 16847

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tcatcatgat gcagcagcca ccaccggag gtatccttcc acatcncgct cctcctcctt 120  
ctgcgcaaca acagtacggt taccaacaac cttatcggat tgctggagct gctccaccac 180

caccacagat gtggaatcct caagcggtn gggccgccat cagttcagcc tacgaccgct 240  
gacgagatcc ggactctttg gngggggggac tacagtattg gatggatgag aatttcctct 300  
acggttgctt tgctcatacc ggagagatgg tttctgctaa agtgattcgt tngnaagcaa 360  
accggtcaag ttgaaggata cggtttcaat tgaattcgca tctcaagctg ctgctgaaag 420  
agttctacaa acattcaaca 440

<210> 16848  
<211> 475  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-E1

<400> 16848

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taaccaagga gattgcgttg gactctatct tattaacaga ccanagtggg ttggttggtga 180  
tcatgcttgt gcagcatatt catttgctct tgttcctgga tatgatacac ttggtccaga 240  
cgctgttaag tttgtggtga atcatgctag gtctgcaagc tatattttgt gtaccacaaa 300  
ccttgaataa tttgctaaag ccttcctanc ggnaatccca atccattccg tcttcaaatt 360  
gttgtgggtg gggaaagggg cttaatgaan caattttgcc aatcaacttt cctccaaggg 420  
aactggngt cccaaattgt tatcaatanc aaaaaagcct aattggngtc caagg 475

<210> 16849  
<211> 491  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-E12

<400> 16849

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gcgtccnaac gctgcaaggc ctaacccccca aggctcatat cattacggaa agatcaacat 120  
taccgtagc atcaagcttg tcaactctaa aagtgtggtt gacggtaaag tccggtttgg 180

tttcaatggt gtatcacacg ttgacaccga gactcctttg aagcttgctg agtacttcca 240  
aatgtcagag aagggttttca agtacaatgt gatcaaggac gagcctgcag ccaaaatcac 300  
agcattgact gtacaaccta atgtttctcaa catcactttc cgtacctttg tagagatcat 360  
tttcgagaac cacgagaaga ccatgcagtc atttcatttg gatggctact ctttcttcgc 420  
tgtcgcttct gagccaaggg aggtggacac ctgaaaagag agagaactac aacttgctcc 480  
aatgcngtta a 491

<210> 16850  
<211> 452  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-C2

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ttaccatacc cttttcacat cctactagtc tttatccgct ccatggcatc aatcactcta 120  
ctgggtcgaa tactctcaag gccacacaaa accaaagacc gatcttgcca gcttctctct 180  
ggcccaccag gatggccac cctcggcaat ctaccogaac tattcatgac tcgtcctagg 240  
tccaaatatt tngccttgc catgaaagag ctaaaaacag atatagcatg gttcaacttt 300  
gccggnatcc gtngcatcaa caattaaact ccggacgaag atttgctccg angaaagcgt 360  
ttaagaagaa cgaagacgca agattttggg caagaaccgg gcctcaaact tttcaacatg 420  
ggngacaatc cggngaacaa nttncaaatc ca 452

<210> 16851  
<211> 59  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-005-Q1-E1-H12

<400> 16851  
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<210> 16852

<211> 418  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-A10

<400> 16852

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tcgatccaac agacnagcca agcttgctctg tctcttcttg aggatgtgac taccaangtn 120  
aagcngattc aagnttctgt cttggaagca attctttcnc gtaatgctca tancgagtat 180  
cttagtggtt tcctcaacgg tcaagctgat aaganaagct tcangaagaa tgtaccggtt 240  
gtaacctacg accgatatta agccttatat cgatcgatat gccaatggan anccgtctga 300  
tctcatctgt gatcgaccca tcattgtact cttgactagc tcaggtacnt caaggaggat 360  
tccgaagctg attcctttga cagcatgagg agttggancca agaggatttc tttgcntc 418

<210> 16853  
<211> 417  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-A12

<400> 16853

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atctgatgtg gaattcatta ttttagcttc tgatggatta tgggactaca tgaanagctc 180  
anatgtggtt agttatgtta gggatcagct ccggaaacat gggaatgtgc agcttgcttg 240  
tgaatctctt gcgcaagtag ctttggaccg gcgatctcag gacaacatta gcatcattat 300  
tgctgatcta ggaagaacag agtgaagaa tctccccgcg cagcgacaaa acgtatgggtt 360  
gaactgggtc aggctgcaac gactatcngt ttagttactg ttggcatatg gatgtct 417

<210> 16854  
<211> 473  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E1-A2  
  
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 taccttgatg ttttttctca accagagaaa ataccgcgta aactgaagtt atcgaggcaa 180  
 tacatgaagt atatggaagc tctacttgag tacctgggtcc acttcttcca gcgaaccgag 240  
 cccgttgcaa gatcttgacc gggatacttt ccaaanggtt gttcctgaat tttgaagaag 300  
 caatatgcaa attggaataa ntanaaaggc cctgggataa tgaacttaat ccatctcaag 360  
 cataactgtc ataantctt tgattactac agtacaagtc caaggaactg gtaaagtgtta 420  
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<210> 16855  
 <211> 422  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-006-Q1-E1-A3

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 ctccggtggg cggcggagaa tctccttgaa gagngcgaca ccgtcatctt gattcacgtc 120  
 caaccacaaa acgccgatca tgcccgcaaa atcctcttcg aggaaaccggt ttcaccgcta 180  
 attcctttgg aggantgtag agagggttaat ttgtctaaac agtatggact tgcttacgat 240  
 cctgatggnc ttgatgttct tgatactctc tctanggcta aaaagggtgaa gggtgtacaa 300  
 aggtgtattg gggaaattca angggagaaa ctttgggatg ctgtcnaaaa tctaaaactc 360  
 cattccaatt gntccttgga atccaagggtt gggttctccc aaaaggatct tgctgggtaa 420  
 tt 422

<210> 16856  
 <211> 461  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-A4

<400> 16856

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attcggctcg gggatttcca gtgattgata gaatgaaagc tggcgggtgga gagggcatgc 180  
ccaagaaccg tttcatgcgc agatatgctc accatctgca agctcaacaa tctgtcactt 240  
ttggcaagga gggccttcct tgggaggggt ccctnngggga aagggagaag acaatttaaa 300  
aagcaatcct gggaactccg ccaatgcaaa tccttcacgc tccattcctt aaaacttcca 360  
acaacttaaa gccnnettca naaatgttgg nctcnattgt ccttcgatn cccttgctct 420  
ctcccgggtgg gcaaaacatt tggtaaaaat caatgtcagt t 461

<210> 16857  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-A5

<400> 16857

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caatcgagaa gattatagan ctgagtgact gattgggtgtt ttcttggagt tttaatggga 180  
ggttgtttca tngngtcgga ttaaaacaga tattgcttcc agtacatggc taagttcgaa 240  
attcgggagt anagatggga gcaagggctc gtcgaccgct tccttctctt atatgcctcg 300  
aacagaaggc nagatcttgc aaaatgctaa actgggaaac tttaatccca atnaactgaa 360  
atctgcaact aaggaaattc cggcctgana ttgtggttgg tnaaagtgna ttggttnc 418

<210> 16858  
<211> 450  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-A6

<400> 16858

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gccttggaga tgatttagag cgtcnaatgt ccggtggcaga aaatccattc acaattttat 120

atgcggtgct ccatgagctg tgcgttgcca ttgtcatgga cacantcata agacaggtcc 180

gagctcttct gcaggggaga tggaaagatg caattctctt cgacttaatt tcagatactg 240

gtancacaac aagcgaanca aagaaaggag aaggnatant cctgttaatc ctcnaacgc 300

aagгнаatga aactttttta ctgggtcaga ttctgataaa aattctggcc catttattaa 360

aattgancna tggtcagntc tccagattaa atgttctcac agcacatttg taattgacct 420

acttacnggc aaggaaccga ntttccccnc 450

<210> 16859

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-006-Q1-E1-B11

<400> 16859

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tccaggaacc cgaagtcgta tacgtgcttc ttaatcgctt ccctgaccat gtctccgccg 120

tactctccgg ctttcacagg tttagactca aaggccgtgt ctatccaaca attctaccgg 180

acggtaccgg aaaagtcaac ggaaagggtgc taaagggcat aacagatgat gaactgaaga 240

tgttagatga gtttgaagat gttgaatatg acagaaagac tgttgaagta atgctgacgg 300

atacttcaga gaagctgcaa gtcgaaacat atgtatggaa gaacaaagat gatccggatc 360

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cgac 424

<210> 16860

<211> 466

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E1-B2



<400> 16860

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attacanttc gtactatcac caccaatact ctcaatttca aaatcctact ccgaatccta 120

atcctaatacc caatccttct cgcgcggcgc cggcaaccgt agctgggtccg accgatctta 180

ctcgaaacac gtacgcatca ggcgccaccgt tcaccggcgg ttaccngttc cgccgattac 240

tctaactatt cacagaatta cactccttac gggcaannnn tctgagcaat gtcctccctt 300

aagtcctttc tttaactnaa catcaaaaac tctccttttc tccggcgggc gaaatnactn 360

aancctnant cggtaatcaa acttnaaaca aacaacaact ccaaccaang aatcaaccaa 420

aaactccaat cctccttaan gggtnaattt gattcccaac ngcncc 466

<210> 16861

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E1-B3

<400> 16861

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taancaatth ctcaatcttt ttgtagatcc aatthttcca ggaaaaaag aggtttcgcg 120

aagaagatga gttttcaaga tttagaatca ggaagaggaa gatcaaggag gaaattcaat 180

gggtggtcgac aagattcgac acaagccgtt gcttctggag gnttccagat caataccgga 240

gtctccacgt ttcagcgact cgttaacaca ctgggggtact cccaaagata caccggagct 300

ccgggagaaa ctgcacaaga caaggttgca tattggacag cttgtgaang gatacttcag 360

ctgggcttaa aagaanctan tgaaactgat catcaaagcc gtgtcaatcc aaagtaaaga 420

agattgcana tgccaagcct gcaaagggac ttt 453

<210> 16862

<211> 484

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E1-B4

<400> 16862

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tactaagcac agaaatagtg aaagctgac tctctgccaa gagtcttgtc agtgcaactg 120

gggatgtctt caagtatcag acgctcataa ttgcaactgg ttctactgtt ctcagattga 180

ctgatttttg agtaaaaggt gcagactcta agaatatcct ctatctgcng agagattgat 240

gatgccgaca aattgggtga agcaattaaa gctaagaaan gtggaaaagg ctgtaattgt 300

tggcggaagn taacatgggc cttgaaccta agtgcaattt taaagggtta caatttaana 360

tgtcactaaa gggtttcccc ctgaaacctt gggtgcaatg cctaaggctt ttcaaccgnc 420

cgaataattg cctgccttcc aatgaagaac nttactaatn cnaaacaag gggaattgaa 480

anat 484

<210> 16863

<211> 184

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E1-B7

<400> 16863

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gcgaatcacc gagctacctt accggaaagt tccccgnagg gtacggatgg gacaccgccg 120

gactttcanc tgaccccgag acattcncaa ggaaccgtga actanaatta tccacagcat 180

gtgc 184

<210> 16864

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E1-B8

<400> 16864

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tttgaattct ctctggttct ccaattctcc tctcgagctg ccttaagctt cgcatttacg 120

tttacgttat gcacgaatga gatcatcgta gatcgtaggt tgaagaagcg agagataaat 180  
taggagagcg aagatgagcg agggccagaa gggmccagtt gggaacaatc ggcgctttga 240  
gtttgtccgt tgtgtcatct gtcccgattg tgatctgtaa caaagcgctt attagcaccc 300  
ttggcttcac attcgcgact actttgacaa gttggcatct tttgggtcac atttcgnttc 360  
ccttcaaggt ggcattaagg gatgaaagaa tgttccaaca caaanccntt ttgattcaan 420  
gaacctgtta atgggnattt tggcaataat tnaatg 456

<210> 16865  
<211> 436  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-C1

<400> 16865

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acttccacca tcatcattca ttataagat ctgggtttta cacagctctg cgagtacagt 120  
aactatgaga aggagaggag gggatagttt ccggagagct ggacggagga agatctcgaa 180  
tgtggtatgg tgggttctct ctggtattgc cctgggnget cttctttctc attctctcca 240  
aagctggtca tattgaacct agaccggga ttctaagcg acgttaccgt aatgacaaat 300  
ttgtanangg tatgaatatg actgangaaa tgttgagtc tactccgttg ctcggaagt 360  
taatgattaa aattgccctg ctaaaanctt tgggtgcaat gctaaannaa ntagaatct 420  
canttgcttg gactta 436

<210> 16866  
<211> 425  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-006-Q1-E1-C12

<400> 16866

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agaagatgaa gcccagagaca gctcttgccct tagctaagat agtggtttggt agcgacgaga 180  
gagagatttt gggacaagtg tcagtgcctt gccatgtcat acaaccagga aacgacgtcg 240  
tagtgcctgt ctccgtcgca tacttcatgc aggagaagat taaggggaaa tgcacagtgg 300  
agatcatcga ggacgcgatc gggcattttc cacaggatga catcacattt ggagctgctt 360  
ggggtcatga ngcgctcctt tgagtttaag gcttatataa caacnttgcg tcnnttgatn 420  
gantt 425

<210> 16867  
<211> 73  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-005-Q1-E1-G9

<400> 16867  
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tttacncgga aag 73

<210> 16868  
<211> 429  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-004-Q1-E1-G7  
<400> 16868

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tagggaagac cataggaagc aaattgaatt agaggaagct cgtaaagccg ggcttgctcc 120  
agctgaggtt gatgaggatg gaaaggaaat taatcctcat attccgcagt atatgtcatc 180  
tgctccatgg tatcttaatt ctgaaaaacc gagtttgaag catcaaagga aatggaagag 240  
tgatcccaat tacactaagt cgtgggatga tagaggtgca aagatctttc aagctgaaaa 300  
ataccgcaag ggagcgtgtc aaaactgtgg tgcaatgacg catactgcta aagcttgtat 360  
ggatangcct cgtaagattg gggcgaagta cacaaaacat gaacattgca cctgatgaga 420  
aaattgaaa 429

<210> 16869  
 <211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-004-Q1-E1-H1

<400> 16869

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 attctcgttt cactccctca atataatgcy atttctcaac cggaatatct gaatctctcg 180  
 gtgggttacct ctgatataac gccaggaact gaactcctac tcgatctcta tcaacaatgc 240  
 cgtccttgta gaactttgga tccaactctc tgattccgtc aatttcatta atatcagctc 300  
 agcgaaggaa ctttgagtag aagaaagata atgtcacatt catgggatgg tcttggggga 360  
 agattgcgtc agttgggtcaa ctgactgggt tanatgcngt caagttgatt ggtcc 415

<210> 16870  
 <211> 113  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-004-Q1-E1-H11

<400> 16870

tctcncacga acatcttctt cncgggtcga cgtttctcca tcgtgatcag aatgtcagcc 60  
 tcttctctcan cgactcctcc acccantgct acctcaaaat cgagggaggg ant 113

<210> 16871  
 <211> 52  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-004-Q1-E1-H3

<400> 16871

acaacgacat tacttccatc acaagcaacg gnggaagagt taactgnatg ca 52

<210> 16872  
 <211> 516  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-004-Q1-E1-H6

<400> 16872

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cgtcnancca cgcgtccgcc cacgcgtccg cccacgcgtc cggagccgat gaagagtacn  120
attacctctt caagctcgtg ttgatcggcg actctggtgt cggcaaatcg aatcngctct  180
ctcgggttcac caagaacgag ttcaatctcg aatccaagtc tactattggt gttgagttcg  240
ctacccaaan cactaaagtc gaaggcaang tcgtcaaagc tcanatttgg gatactgctg  300
gtcaagagag ataccgagca atcacaagcg cttattacag aggagctgtt ggtgctttgc  360
ttatttacga cgtgacaatg cacgcaacat ttgagaatgc atcaagatgg ctaangggaa  420
ctaagaagga cacacaagan ccaaacataa tgggggatgc cttataaggg aacaaagtgc  480
gattcngcgt cacttggtgg gaantcaaaa canatt                               516

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<210> 16873  
 <211> 188  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-004-Q1-E1-H9

<400> 16873

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gtggtgacag gcttattcgt ggggcnaaac aaangacacg ttgttnccaa acgctagcaa   60
cctcctcgcc ctnacagcac attggggaaa acaagcacia ggactatttt tatcaggaat  120
ctcatcangg aagttgcggg tcaagctccc tatgatnaag aggatcactn agcttttgaa  180
ggttggtgta                               188

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<210> 16874  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-005-Q1-E1-A10

<400> 16874

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atttaacaag gtttatacta ctatgatact acactgtag cagttagctt catcttcagc 120  
cacgccgtta aacttccatc aaccaaana agttaactaa atcggtgaag atgccacgtg 180  
tttcggcgga aatttttagat atttctcaca ccggcgga cgagtcaccg acgcttggcg 240  
aactcctgaa agattttcaac gacagtggcc ggaaaaata tcccgcgaa aatgctccga 300  
ctcaacacat attggatctc gctcccgcg ctganacacg atctgtgccg tttctcttat 360  
ccttcaacaa tctcagttac aatgtttgta cttcgccggg nggttgattt cccccggaa 420  
agaccgentc cg 432

<210> 16875

<211> 501

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-005-Q1-E1-A11

<400> 16875

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gtcganccac tctttcataa caaaacactg ctcttcttct tctccgcccgc cgcacgtgta 120  
aatctctccg tcatctgtaa ccggttaaag tatttccctc aggtcgacct gaaaacgatg 180  
ggcaaacgag gaccgaagaa gcttacaac actcaaggag gaggaggacc taatctcaaa 240  
tctgtactga gacatgagca cttgaagaat ctgctctctt ggtcttccac cggagatact 300  
cctatcccgt ctcttgcttc attactcggg cgacgtctcg ctgccgacac tgaatccacc 360  
ggaatcacta ctgatccga tctcgtctct tgtcaaagggt gtgagaccat tcttaagcct 420  
ggattcaatt gcaatgtag aatanagaaa ggttctgcta atgtgaagaa anaacttata 480  
ggtgcaagaa ntctaacaac a 501

<210> 16876

<211> 491

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-005-Q1-E1-A12

<400> 16876

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aaanagaatt ggttgctttt acccggaatc gtatctgctt tcatactcca tactgttctg 120  
aanaaaggag gttctgaang cttcaatgtc acanccaaag atataaaaga ggaaagcata 180  
cagactaaac ttgttgctgc gacagaaaat aatgtgaatg caaactctac gaatgtggag 240  
acccaaactg ctattacagc ccctaanaaa ggcagcgggtt gcggcgggtg ctgtagtgg 300  
gaatgcggaa acatggtgaa agcagctaata gctagcgggtt gcngcantag ttgtantgga 360  
gaatgcngag acatgntgaa atcagcagca aatgctancg gctgcgggtac tggttgtanc 420  
ggtgaatgtt gaaaatatgg tgaaancanc taacctant ggttggttgg ttatggggct 480  
aatccaacc c 491

<210> 16877  
<211> 72  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-005-Q1-E1-B9

<400> 16877

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ctcaanccaa ta 72

<210> 16878  
<211> 505  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-005-Q1-E1-C11

<400> 16878

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cgctgtcgca gatcggagag atgggtgtcg atttgaatc ggtgtcggaa gcaacctcgg 180  
gagctattgg gtcgcttctg agtacaacga tcttgtatcc tcttgataca tgtaaatcaa 240  
agttccaagc cgaggttcga gctcgtggtc agcaaaaata cagatatctt tccgatgtta 300  
tgtgggaggc aattttctaaa ggacaagtct tttcactgta tcaaggcctt ggaactaaga 360  
attttcagtc tttcatttct cagttcatct acttttatag ctatagctat ttcaagagag 420  
ttcatagtga aaggactggg tctaaatcaa ttggnactaa ngntaanttg ctcaatgctg 480  
ctgctgctgg gggcttgtac ttcgt 505

<210> 16879  
<211> 90  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-005-Q1-E1-C9  
<400> 16879

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tcaaattcttg tccctgaagt ggggcctgta 90

<210> 16880  
<211> 497  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-005-Q1-E1-D12  
<400> 16880

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ttataccatc tgataacagt tgtctcttca atgcaatcgg ttatgtcatg gacaaggna 180  
aaaacaaagc tcctgagctc agacaggtga tagcagcagc agttgcaagc aacaaggaga 240  
aatataatga agcatttcta gggagctca atgaagaata ttgtgcttgg attctcaatc 300  
canacaagtg gggagggtgcg attgagcttt cgatattagc agattattat ggtcgagaaa 360  
ttgcagctta cgacattcan actagtcgat gtgacttgta ttggacaaga cganaancta 420

cgannaaaga gttatgctga tctatgacgg tcttcattac aatctccttg ctctgtctcc 480  
natttngnag ggggngg 497

<210> 16881  
<211> 487  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-005-Q1-E1-E12  
  
<400> 16881

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gccggagacg tcatcgaact caatcgatct cagagggagt tgcattattt cgctcnatct 180  
cntcaatggn ctggaaccta ttgccgtgga actcgccatt gttgctcaa aaacgcttgc 240  
tgcagagggt ccgatgctcc aactcaattc acaattcatg gggttatggc tgactataac 300  
gatggttcgt ggccttcatg ttgttatcga tctgacttta aagagaatga gatttcaacn 360  
ttgatggntg gtcttgagaa gtactggcta gtctcagttg tggttctcna tcatcatgca 420  
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<210> 16882  
<211> 73  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-005-Q1-E1-E9  
  
<400> 16882

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cgtcaganag gca 73

<210> 16883  
<211> 504  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-005-Q1-E1-F11

<400> 16883

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gaagagattg aagcgatttt cactcagttt tcatcagatc gtctcgggtga ttctaggggtt 180  
cattgggtctc gttttgttcg gtgactgctt gagtttcacg tttttgggtt cgattttctta 240  
tgggagattc ctcggttttcg acaagttcat gggctgtcat tgaatctgct aatagggtttc 300  
agtggtagga aacttttggg tctgtttcta gttgtgaatt gaatagacta caagaagtaa 360  
gcagaactga atgtgcattc cttttgtttt tattgacaat tgtgagttaa catgttcagg 420  
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tccaacattg ggttcaactc ccaa 504

<210> 16884  
<211> 438  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-004-Q1-E1-G5

<400> 16884

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aggagaagga ctgagaccat ggaaggcaca tgaaagggtt caacagattg aaggttaaggg 180  
aaccagtgat tgagccggtt gtggaggatg ttgaggacag tactgactcg agcgtaggag 240  
aagaagaaga agaggatgat ttgatcaagg agattgtccg taccaagact ttcgagatgc 300  
caccattgac tgtcgtgag gcagtcgagc agctggaact agtcagtcac gacttctatg 360  
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acggtcctga tatcccaa 438

<210> 16885  
<211> 490  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-005-Q1-E1-F12

<400> 16885

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ttactaatct ctataactat atttaaaaag tagaaaataa tggcacgtct atttgctgta 180  
gttgcccttt tggctttggc cgtgggcacc gtattcgccg ccgatgcacc ttcagctgca 240  
cccaccgcct caccaaccaa atcccccaacc aaggctcctg ccgctgcacc caaatcctcc 300  
gccgccgcac cgaaagcatc atccccctgtt gctgaggaan ccacctctga agacgactac 360  
tctgcagcca gcccantga ctccgccgag gnaaccaacg tctcctcccc aaccgctcnt 420  
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ntcaccaaaa 490

<210> 16886  
<211> 446  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-005-Q1-E1-G12

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gtttagatnt cttaagcact gtcaccgaag ttcattccgag cttagatgag gcanatggtg 180  
ttcaaaccaa gagcattagc aatgaaacac ttgcaagggt ggctaagact gtcttgactc 240  
ttaaagaang ataaaatgca cagacttaag aagcttcaag aactanctac tcagctaact 300  
gatctatggn atctgatgga tacttctgat gangaaagg agctttttga ccatgttacc 360  
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<210> 16887  
<211> 432

<212> DNA  
 <213> Arabidopsis thaliana  
  
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 ccgctctgtt attctcttgt gccgacggag tctccgacaa cagagccact tcaggcacct 240  
 ctaccggtgg cggaggttgt ggcggtgccg gttgcggtgg tggttgtgga ggttgagatt 300  
 tcatttttct tcgtcaggaa aatataaaca gaacagtcg accattttac tttcgtttat 360  
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 aaaaaagggc gg 432

<210> 16888  
 <211> 437  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 ctgccttcac cgccaaagct gctacctctt tggacgtgaa agaaggattg ccgacattcc 180  
 tacggatcac ccatcttgca gcaagcagca tgctgtcatt cagtaccggg aaatggaaaa 240  
 ggagaaacca gatggtatga tggggaagca agtgaagcct tacataatgg atcttggttag 300  
 taccaacaaa acttatatca atgaaagtcc cattgagcca caaagatatt atgagctttt 360  
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 ttctgccgaa tgaatna 437

<210> 16889  
 <211> 494

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 cagtcagnat accacgcgtg gcgaaagata tcagggttga tgatagagtt gggtttcaaa 180  
 atcataatga aaatttatct atcacaaatg ctgataaatc tagtgacaga aactctggga 240  
 agatgatgtc ttacttggga agaacgaagt ctagtgataa tgatagtata agtcaatgta 300  
 gctctgtgca tcatcatgag agagcttgta gttctcactc tgggtgaagat ggaagctttg 360  
 gagctgcttg gagacaaaat tccctatcac agggcggggc tagtaacaac atctcctttg 420  
 gttggtttgc cagaaatata tcatcttggn tgggggacac tgggttacnc ctaggggatt 480  
 ttcaactngc anca 494

<210> 16890  
 <211> 495  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 16890  
  
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 ctgcaccgaa aatgacaaga atgccctcct tcaaatacaag aaagcacttg gcaatcctcc 180  
 cttctatcc tcttgaacc cccgaaccga ctgttggtacc ggctggaccg gcgtcgaatg 240  
 cactaacgt cgcgttaccg gtctcagcgt tacctccggc gaagtctccg gtcagatctc 300  
 gtaccaagat cggcgacctc gttgacctcc gtacactaga tttcagctac ctgccacacc 360  
 tcaccggaaa catcccacgc accatcacca aactcaagaa cctcaacact ctctacttga 420  
 agcacactag tctctccggt ccgattcctg attacatcag cgagctcaag agnctcacgt 480  
 tcctggncct ttctt 495

<210> 16891  
 <211> 422  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-003-Q1-E1-E5

<400> 16891

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aaatggcata cgtgggtccat gaaaattctt caagatccga ccttaaccga acaaaggctt 180
gatcttacca aaccaatata gcttgtttat gttatagatg acattttcga tgtctatggg 240
gagctagaag aactaaccat cttcacacga gttgttgaga gatgggatca taaggggctt 300
aagacgctac ccaaatacat gagggtttgt tttgaagctc tagatatgat cacaacggag 360
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tg 422
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<210> 16892  
 <211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-003-Q1-E1-E7

<400> 16892

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ggcgattgac atgtggagtg ttgggtgcat atttgcagag atgctaactg gaaaaccttt 180
gtttcctggc aaaaacgttg tgcaccagct agaactcgtg actgatctgc ttggaactcc 240
gtcgccgata actctatcca gggtttgttt tgtttttatt tttcccgaa gctaaactaa 300
ctctcccaat acagaggctt ctctctctct atctccgaga gatagacttg ctttgaacgc 360
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<210> 16893

<211> 506  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 16893  
  
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 tttgttcnga tctactttctc cggcttatca ccgatttaga tctaagcctg aggtttcctt 120  
 ttgcatttta gagattccga gaatganaca acggcaacta ttttccgtgt ttttgcttct 180  
 cttanctttc gtttcgttcc anaagctttg ctactgtgac gatcaaacgg ttctgtanga 240  
 atcgtncgat ganccttttg atggccgctg gatcgtttcg aagaatagtg attacgaagg 300  
 tgtatggaag catgcanaga gtgaaggaca tgaggattat ggacttctcg tgagtgagaa 360  
 ggctaggaag tatggaattg tgaaagagct tgacgagcct ctaaacctca atgaaggaac 420  
 tgttgttctt cagtacgagg ttcgtttcca ngaacgactt gagtgtggtg gtgcttactt 480  
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<210> 16894  
 <211> 513  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 16894  
  
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 gcgtccgacc aaaacaaagc tcaatcatgg ctagtcggag agaagtacgg tgccggtgcg 120  
 gcagacggat gtgggttcaa ccagacgccc gtaccgtcca atgctcaacc tgccacaccg 180  
 tcacgcagct ctactcgcta gtggacatag ctgcggtgac aaaccgcata attcatgggt 240  
 ttcaacagct acttagacaa caccaaccgc aacatcatga acaacaacaa caacaaatga 300  
 tggctcaacc gccaccacgg ctgcttgagc ctcttccctc gccgtttggg aagaagagag 360  
 cagttttatg cggcgtgaac tataaggga aaagttatag cttgaaaggt tgcacagtg 420  
 atgctaagtc catgagatct ttattggttc aacaaatggg tttccctatt gactctattc 480



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513

<210> 16895

<211> 55

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-003-Q1-E1-F4

<400> 16895

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55

<210> 16896

<211> 485

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-003-Q1-E1-F6

<400> 16896

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ccctaaaata aattaaacga gttctacgta agaaggagag agagaagaat gggtcgccaa 120

aacattgtcg tcgtgggtgc cctcgtcttc atggccatca ttggccttgc cgcagctgcc 180

tcctctccat ctcttcagc gtctccctcc aaagctccag ctgcctccaa aaccgatcat 240

gtcgaggctc cagtcaccga tgaccaaadc ggaaccaccg atgacgatgc agctctact 300

cctgggtgacg gtgacgttgc agtgggtggt cctctaggaa gtgactctc gtacgacaat 360

gcgcctacag gctctgctga ttctgccaaa agcgggtgcgg cagctcttgg cgtctctgcg 420

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ttant 485

<210> 16897

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-003-Q1-E1-F7

<400> 16897

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 aggaattcac accactactc tctctaaact atctaataag agtcaagagt ctctttcaca 180  
 agctggtaat atcgtcgaac agacagtggg acaaatacagg gtagtgatgg ctttcgttgg 240  
 agaatacaaga gcttcacaag cttattcatc agctttgaag attgctcaga agcttggtta 300  
 caaaacaggt ttagctaaag gaatgggact tgggtgtaca tacttcgttg tcttttgttg 360  
 ttacgctctc ttgctttggg acggtgggta tctagttcgc caccatttga ccaacggtgg 420  
 tctcgctatt gc 432

<210> 16898  
 <211> 511  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-003-Q1-E1-G12

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 tggcagaaac gaagaagatg atcatcctta agagctccga cggatgaatcc ttcgagatcg 180  
 aggaagccgt cgctgttaag tcccagacga ttaagcacat gattgaggac gactgtgccg 240  
 ataacggaat tccacttccc aatgtcaccg gagccatcct cgccaagggtt attgagtatt 300  
 gcaagaagca cgttgaagcc gctgctgaag ctggtggaga caaggatttc tatggttccg 360  
 ctgagaacga cgagcttaag aattgggaca gcgaattcgt caaagtcgat cagcctactc 420  
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<210> 16899  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-003-Q1-E1-G2

<400> 16899

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attcacaacc aacttcatta cgacctgtaa ggactggctc gacgtaaatg gtcttgctaa 180  
aggaaaacttg gagaagaaga gagatgataa tgaagaagaa gagcgtctga aaaccgagtc 240  
taaacttccg ggccatgaca tccacggtt cgataacgag atcaagtc atgcaaacactt 300  
cttggttgat cagaaggtta ggaggaggtt caagagtcgt gtgattgtcg gagaatatgg 360  
tgttggaag acagcattat gccagaagat cttcaatgat gaagctgtga agagtgttta 420  
agcnccaagg gt 432

<210> 16900

<211> 506

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-003-Q1-E1-G3

<400> 16900

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aattccaggc tgctgtngat atttccgta aggaaaagat cacccttgat ccagaggacc 180  
catctgccgt aaaacagtat gcaaagttaa tgaagaccat cangcaaacg gcanacatgt 240  
tctcagaatc tcancgcatt aaacatgaca ttgatactga gactcaagac attccagatg 300  
ctcgtgcata cttgttgaag ttgcaggaaa ttcgcaccag gagggggctt actgatgagc 360  
ttggtgctga ggccatgatg ttcgangctt tggagaaagt ccagaaagga cataaaagaa 420  
ncctctcctg aagaagttga caagaaangg atgggattct tttggttgca nantttgnna 480  
aaagгнаacc aaaaaagcnt ggggat 506

<210> 16901

<211> 514

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-003-Q1-E1-D10

<400> 16901

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tcttcgccgg acacattgct gcggctctgc cttccatcta caaagacggc tccggctgcg 180
gagcttgctt ccaggtcaga tgcaagaacc cgacgctttg cagcagcaaa ggaaccacgg 240
tgattgtcac agacttgaac aagaccaacc aaaccgatct tgtccttagc agcagagcct 300
ttagggccat ggctaagcct gttgttggcg ccgacagaga tcttctcaaa caaggcattg 360
tcgatattga atacaggaga gttccttgcg attacggtaa caagaagatg aacgtgagag 420
ttgaagaatc aagcaaaaat ccaaactact tggcgataaa gctcttgtac caaggaggcc 480
aaactgaagt ggtanccatt tacattgctc aggt 514

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<210> 16902  
 <211> 492  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-003-Q1-E1-A8

<400> 16902

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cgttgtccag ggtttgttgt tgatttccta tgcccatggt caagagatag tgcgtttaag 120
agaaggcatc gaggatttac gctgattaga atgaactgtg ttggtggatt ttgataggga 180
tcagttccgg gttttgagtt ttggcctttg gttttgtaga tttcgatgat gcaaggattg 240
gatttgctat atactttgtt tagtgtgtgg tctgttgtgc ggatagcttt tggatgaata 300
agctttgtgt gcttcttttt ttagtttgat ttggaaagtc acagacttga caaggatgga 360
gaaagaaggt gtgtgtgata ccattaattt aagtgatcag atgtaccctg atgagccttt 420
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gaataaagtg gt 492

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<210> 16903

<211> 506  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-003-Q1-E1-A9

<400> 16903

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cagatctccg atctagagcc tttcgcttct cctcttctgt tcatataaca actgaataat  180
gtcgatctcc gcccaaaatc cggatatttc cggcgataga caatccggcc aagatgttcg  240
tactcagaac gtgatggctt gtcaagctgt ttctaataatt gttaagacct cacttggtcc  300
cgtcggcctc gacaagatgt tgggtggatga tattggtgat gtgactatta caaatgatgg  360
tgctactatt cttaggatgt tggaggtcga acaccctgct gctaangttc ttgtcgagtt  420
agctgaactt caaggataga gaaatcngtg atgggactac atctgttggt aatgtaacct  480
gctganttgt tgaagaaggn aatga                                     506
  
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<210> 16904  
 <211> 506  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-003-Q1-E1-B3

<400> 16904

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tggggggagga agaaggaaag gtgtaaggat aggggtcgtgc gtgtcaacga gaggtgctgc  180
tggacgtgaa gcctcctcct ccgcacgggc gaggaggctt ccgtcgcagc accacctcag  240
cggtagcctt agctcttctg gctacggcgg agaaccgtcg gatcaatctg atatcggcgg  300
tgccaagatg aaagggtttt tcaagtctaa gccacgcact cctgctgacc ttgttcgaca  360
aaccgcgat ctcttctctt tctccgatcg atctacctct ttgcctgacc tccgagattc  420
caaacgcgac gaaaagatgg cggaattaag ccggnatata cgtgacatga antcattctc  480
  
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tacgggaaca ncgaancaaa ncctgg

506

<210> 16905  
<211> 500  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-003-Q1-E1-B4  
  
<400> 16905

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cattctctgt tctgtttgaa ttattactaa tctatcatct tgttgttctc ttcgtcgaca 180  
atgtcgggaa acaaagaaga agaggatcct cgtatccatg gaatcaaac taagatccgt 240  
gtcgttccag attttcccaa gaaaggaata atgtttcaag acataacaac agtgttggtg 300  
gatccgaaag ctttcaaaga cacaattgat ctgtttgtgg agaggtagag agacaagaac 360  
atctcagtgg ttgcaggaat agaggctcgt ggtttccat tccgtccacc gatcgcgcta 420  
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<210> 16906  
<211> 434  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-003-Q1-E1-B8  
  
<400> 16906

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gtgatcatat gaaagttcct tttatctgtt caacttggtt tgtttcttaa ttatctcccc 180  
agtatgtaga ttaggaccta ctaccggtat ttagcattct agactaggac ttggtcttag 240  
ctaacgtgaa agaatgtcat gttgtcagga catttcagat cgctatagat gttacattac 300  
atttcattat gcctgaagat gctgtgtagt tctgacattt atagaaattt gacagtctag 360

cacagaagcc cagatgagac aattgctaga tgaaagatct accttcactc aagaaagaag 420  
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<210> 16907  
<211> 528  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-003-Q1-E1-B9  
  
<400> 16907

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tcttctcgat ccaccaccac caccaacctc aaaagctttc atctttaccg gtcattggacg 180  
gtggttcagg tcaaccggcg gctgatacag agatgacaga agctcctgga ggttttcccc 240  
cggcggctcc atgcctcag atgcctggga ttgagaatat tccggcgact cttagccatg 300  
gtggtagggt tattcagtat aacatatttg gaaacatctt cgaggtcacc gctaagtata 360  
agcctccgat catgcctatt ggcaagggtg cttatggcat cgtttggttcg gctatgaatt 420  
ctgaaactaa cgagagcggt gcgattaaga aaattgctaa cgcttttgac aataaagatt 480  
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<210> 16908  
<211> 395  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<400> 16908

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aaagaaagaa gaagtggcac actcttacac actttgcctt gggcntttta tagtatgttt 180  
ttttttggct catctaaatt agtttggatt gtggttggtg cttttaatcn tttttccttt 240  
aagtggggaa gctttgattc attgatttca cacgaacgac aagacatata gattggnttt 300

gcctgctccg ggtatatatg tctaaagnaa cacnggtcca atttttttta atttccaata 360  
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<210> 16909  
<211> 504  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB25-003-Q1-E1-C2  
  
<400> 16909

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cgaagagacn ttgacttctt ctgatgaact ttctttctgca cttctttctca ttaagcctcc 120  
ttgttaaaat aatttgagat ggcgatagga aaccacagaag tagcaactat ggggaaggag 180  
aacactgaag ccgagtcctc taatggaaac gagtctcagt taagttctga cttaacgaag 240  
agtcttgatc tggctgaagt gaaggaagac gaaaaggata ataaccaaga agaagaagat 300  
ggactgaaag ctgaggcttc aacgaagaag aagaagaaga aaagtaanag caagaagaag 360  
aagagttctc ttcaacagac tgatcctcct tcaattcctg ttcttgagct cttcccttct 420  
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acggtgatgt agtgaggggac acaaagaggc tagccaaagc gttgacatct ctcggactaa 240  
ggaaagggtca agtgatggnt gtggtcctac caancgtcnc cgagtatggg attattgccc 300



ttgggtattat gtctgccggt ggagtcttct ccgnggcaaa tccgacggnt cttgtttccg 360  
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gtaaggcttc cgaggaggag gatgaagtga agagcgattc aagctcggag aagaagaaga 180  
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ttttcccgat tcaggcttcc acgtttgata tggttctcga tgggtgctgat ttagttggac 360  
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<212> DNA  
<213> Arabidopsis thaliana  
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tttgaaagtt tccttttttt ccgaaatctg agcttgggta ttgttgata agcttctcgg 180  
agattgagat tgaggatttt gataggtag gagattgaaa gatttggatt tttgggcggc 240  
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gtctttctcat cgtttaacgc aggaccagag atcacatatac gaatcggcgt cgcagctctt 360  
agccggagga ctgcgtggtg ctttagcaa gacttggtact gtcctcttat ctgcgtctcac 420  
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attacacg 488

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gccactgctg ttttcatcaa ttcttttgaa gatttggatc ctacattgac gaataacctc 180  
agatcgagat ttaaacgata tctgaacatc ggtcctctcg gggtattatc ttctacattg 240  
caacaactag tgcaagatcc tcacggttgt ttggcttgga tggagaagag atcttctggt 300  
tctgtggcgt acattagctt tggtaggtc atgacaccgc ctctggaga gcttgcggcg 360  
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ttggtcaatt 430

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caacctgcct cgtccaaacc tcagaagacg atgtaaggtc accgcttcac gggctaatat 180  
tgaacaagaa ggtaacacag tgaaagaacc cattcagaat attaaagtaa agggatacat 240

aacggcccaa gaagagtttc tggagggcat aacttggctg agaggtctcg atgacattgc 300  
 tgatatccgc ggcagatcat tgctcgtcga gcttattagc gccaaactg accagcggat 360  
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 ttaaaccgtc gtcattcttc cgtcacagtg gagtaggagg aggaggaacc gctcaatttc 180  
 ttccataccg gagtaataat aacaaactct tctactcttc aaccaccgta cgattcagct 240  
 taaacgagat tctctcttc catggcttgg attcatctgt agacatcgga gcgattttca 300  
 ccagagctga atctcttctc tatacaatag ctgacgccgc cgttggttgg gctgattccg 360  
 tcgtaactac tgattcatcc gccgtgcaga agagtgggtg ttggtttggt tttatctccg 420  
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<210> 16916  
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 <213> Arabidopsis thaliana  
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 caannctag 69

<210> 16917

<211> 499  
 <212> DNA  
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<223> unsure at all n locations  
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<400> 16917

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tgggtccacgt caaaagggtt actttgagtc tgacgaagtg catgcttgta tagttanatg 180
tggagggtctc tgtcccggtc tcaataccgt gattagagaa gttgtgagca gcttatcata 240
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gaatactatc cccttaaact ctaaagtcgt gaatgatatc cataaacgcg gaggaacaat 360
cattgggacc tcaanagggt gacatgatac caacaagata gttgatagca ttcaaagatc 420
gangaatcaa tcangnttac attattgga ggagatggna ccagccaagt gntcagtta 480
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<210> 16918  
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<223> unsure at all n locations  
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<210> 16919  
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<400> 16919

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83

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tgggcccttg gtggatttgt gtcgtggacc gcacatacca aatacttcct ttgtgaaagc 180  
gttcaagtgt ttgagggcct catcagctta ctggaagggg gacaaagacc gtgagagctt 240  
gcagagagtt tatgggatat cttatcctga tcagaagcag ctgaagaaat atctccaatt 300  
tctagaagaa gccaaaaagt atgaccacag actattgggc caaaagcagg aactcttctt 360  
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<210> 16922  
<211> 493  
<212> DNA  
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<223> unsure at all n locations  
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cgantttctg ggttccttct gcttcgtcca agttagtcgc cggagacgac aaagagcacc 120

tgaattggtg cgagaaaaga ttcctacttc tgagaccatc ttcacaaacg tgtagcaaag 180  
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ctgagttccg tgtgtgatta ctttaattcgg ttatggctgc accaaacggt cgtagtagta 300  
gcagcttctc tcgcaacata tcagtttgtt catcgccctca aattcctggt ctcaaaagtg 360  
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tttcaanctt cactatgcaa tactgagaag aaattccaca agggaaaaaaa atgtcaagct 180  
ccgacccgaa acccggaact aaaccgggtc catggccacc aactccagaa tccgccgcaa 240  
tgccaccgtc ttcttgggct aaaaaaacg gatttcgtcc caaattctcc ggtgaaacta 300  
ccgccactga ttctcttcc ggtcaagctc tcaataccgg gttaagaagc taaacaanaa 360  
gaaaccaaac cgggattgtg aagctggtca aaccaagaat ccggtctctn tcctctgtc 420  
tccg 424

<210> 16924  
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<212> DNA  
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<223> unsure at all n locations  
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 tcgacaattt ttacctatcc gacgagcagc tgaaggcttc accttcgagg aaagatggga 240  
 tagatgaaac aactgaaatc tctcttagaa tctatggatg tgatctcatc caagagggtg 300  
 gaatattgct caaactacca caggcagtta tggctactgg gcaagttctg tttcaacgat 360  
 tctattgcaa agaagtcctt ggctaaattt gatgtcaaga taattgctgc caactgtgta 420  
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 caaactcagt aacaacaaac tagctgggtca gtttctctta tgtttaacta gcttgactgg 180  
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 gaagtgtaaa ctgttttagga gttgctgaat ctggtaaagc aagctcaagc tactacacaa 360  
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 ccttaatggg aaacatgctt atatatttca acctgttaaa gatgaaaatt tagcagctcc 300  
 tgacagagct tcttcgttga gtatatgttg aagctcgggg tgccctctg aaaggggttc 360  
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<223> unsure at all n locations  
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tgattcccta cagcctcgag atgtttgtgt tgtgggagtg gcgcgaacgc ctatagggga 180

cttccttggc tccctctcgt ctttgactgc tacaagactt ggggccatag ccatccaagc 240

cgcacttaag agagcacatg ttgatccggc ccttgtggaa gaggtcttct ttggcaatgt 300

cttaactgcc aatcttgggc aagcaccacc aagacaggct gcacttggtg ctgggattcc 360

caatncngtg atctggcacc actatcaaca aantttgtgc tgcaggaatg aaatctgtaa 420

tgcaancgtc caaaantanc aactcggctt gaatganatt gttgttccng gtgggatgga 480

aacatt 486

<210> 16929

<211> 78

<212> DNA

<213> Arabidopsis thaliana

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<210> 16930

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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aatgagaccg gatgggacac gagaggaggg atgataggac cgaaccagga ctgtatgggtg 180

tggagcaacg accagagcat gctctgttat cagtgtagtt cttgtaaagc tgggtgttctt 240

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<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB25-003-Q1-E1-A12  
  
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aatcaggaaa caggttaggg aaaatcccta ctgctacaag ggacgtccac gtttgaagac 300  
tgcttatgag cttttgaggg ttagcaccga tctcgagaag aggccttaatg aggtttcatt 360  
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aactgtatga agttgc 436

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ggaaaccgat acaaccgttg acaatatgca tgatcggcgc cggaggtttc atcggttcac 180  
atctctgtga aaagctcttg accgagacgc cacataaggt gcttgcgctc gatgtttaca 240  
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ttcatcgtat caatattaag catgattcga gacttgaagg tcttgттаag atggcggatc 360  
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 tgaagtctct agcttcgtcg agaagaaggt tcagttcgca ccaaaaacca ttgcgttcaa 240  
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 ctccagagat gtgtttcacg tcgttcatgt caaattcact ttgatgacca aggcgatggt 360  
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 agcagtatgg tggtggtgga tctcagaatc caggatcagc tggtgagatc cggтccctgt 240

ggatcgggtga cttgcagcca tggatggatg agaactatct caaattgggg aacgtctttg 300  
gtcttactgg cgaggctaca gcaactaaag ttattcgcaa taaacagaac ggntattcag 360  
aangttatgg cttaatgaat ttgtgaacca tgctacagct ganaaggaat ttacagactt 420  
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<210> 16935  
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<212> DNA  
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cgagttcctt acctcatcat gaggaggctg ttgtttttgt tgtctccact acagggcaag 180  
gagactctcc tgattccttt aaggcatttt ggaggtttct tcttcaaaga aatctgggaa 240  
actattgggt gcaacaagtt cgctatgcag tgtttggaac ccttnaaggt gattctgggt 300  
accagaagta caactttgta gcaaagaagc tagacaaaag attatcaaga tcttggggcc 360  
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<210> 16936  
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acgagcggct atagctgggg tcaaagacaa taccggtaaa tggcttgag gtatctttga 180  
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caagctcggg ggaatacccg ttggagttgt tgcccnaaag gccttgngac acagactgtc 300  
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caagcagggg aangtctggg ttcnctgatt tcanccggcc aangaactgg ntncaanncc 420  
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cctaaagcta tctccgattt gaaggaatca attgtgaagg gacttggatt ccaatccgag 180  
gaagtcaagg tttctggggt tgatataagg gatgcattgg taggacattc tgtttcatac 240  
gaatttgatt tagaaatcga caataaagtt tcccttcccc catttaagcc tcctgaaaga 300  
tgtgaaccga tgggaatacg ttgatctccn aattttcaan gtagaacaac cccctgagaa 360  
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tgtctgttat tgctcatgtc gaccacggga aatccactct tactgattct ttggttgctg 180  
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atgaggctga acgtggtatc actatcaagt ccaactggtat ttctctctac tacgagatga 300  
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ctgatngg 428

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ctcttcgctg ctatattttc atcattctgt ttctccatca ctctttctcg tccactcgac 180  
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gcygatgtga angaggaaaa caatcgctac gttgtgttca aaaacaacgt cgaacgcatt 300  
gaacatttaa atagcattcc tgccggaaga actttcaaac ttgcggtaaa tcaagtttgc 360  
tgatttaacc aatgacgaat ttcgttccat gtacactggg ttcaaagggtg tctcggcatt 420  
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cctccgtttc ttccgacgcc tcagaatggc gtccagctcg agccacctac tacgccgcta 180

cgaatcctcg agacgcgggtg ggcggtgcggt gtggatacgg agatctcgtc aaatctgggt 240  
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attcngtgggt gctggttttcg agctcanang tgttgatgat ccnngttggg gggtanccct 360  
gaaacttcaa tnaaaaccca cggctaccaa attttngggg gcccnnaat ttagggggtt 420  
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<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB25-001-Q1-E2-E6  
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tttgatctga ctccaaattt gggattttta gggtttaaata ctacagatat agagaganag 180  
agaatgggag gttgtttatc tggagatgtg aaaggaggca aacaanccan tggaggggtc 240  
cancatagac ccacttcctc aaccatcccg gncccaaca atgcgggtca caacgacgcc 300  
gtcgattttt ttttcacatc ncntgggtcaa tatcntctct tttctcaaat cgagttaact 360  
ttgtcgnget tenganntgt tgcnctgtca cagaancatc caaggattag nngnggncnc 420  
tgtcnancta tt 432

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aacatcggat cacttcttac ttcactcttcg cttgcacgt cggatccatg ggaggctctc 180

ttttcggcta tgatcttggg gtctctggtg gtgttacatc aatggacgat ttcttgaaag 240  
 agttcttccc agggatctac aaaaggaaaa aanagcaaag gcatctaaac gaaacagatt 300  
 actgcaaata cgacaatcaa atcctcacac tcttcacttc ttctctctac ttccgccggtt 360  
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 <212> DNA  
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<223> unsure at all n locations  
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<210> 16944  
 <211> 329  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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 caacgtatta agcaacaagg actcaacatt aaaccaagga ttctcattct aactcgactt 180  
 ctacctgatg cggtaggaac tacatgcgng tgaaacgtct cgagaagagt ttatgattct 240  
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<210> 16945  
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 gccctcagcc gccgaaaata atttgagagg aattaattcn agtgcaagag tttatggcca 180  
 aaattcactc ggtgggtata atgatttcga agatcagtta gagancccat cttcactgtc 240  
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 atcaagcttt taactatgga atgggtcgag ctactagcag agatgatgna acatatggga 360  
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 ttganagat 429

<210> 16947  
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 <212> DNA  
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 <223> unsure at all n locations  
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 gtcattgctgt taaacttatt ggctggggaa cttctgatga cggtgaagat tattggttgc 180  
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caaacgaatg tggcattgaa catggtgggt tttntgtanc tgggnttacc ttcagacang 300  
gaacgtagtt taaaggtatt actacttcaa atgatctcct gtttcccaa ttttaaacan 360  
ggaatatggt gtcccccaac tcttggttat acataaattt cccaactggt ggttggtggn 420  
ttaccaggn gaaatanaaa cgacctttca anccaanag agggaatt 468

<210> 16948  
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<223> unsure at all n locations  
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acgaaatcga cggacttggt gtggttttaa agctacaagg agcttggtgt tctgtctcta 180  
gctcatcaat gacgttgaag atgggaatcg agagtcgtct tcgagacaag attccagaga 240  
tcatgtccgt tgagcagttt cttgaatccg aagnnaaacc aggaggttta gagctgaacg 300  
atgagaacat tgagaagggt ctctctgagt taaggccgta cctatccggt actggangtg 360  
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<212> DNA  
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attcacgaaa atatatatta atttcaattt tccatatttg aattcttcca gatcttatgg 180  
ttccttggtc ttcgttctcg tggcgggttt tgaattgttg atgcgacgat ctcatgcccc 240

ttctaggggtg aagaatagta gtagtagtaa atccgattaa attgggggga tccgattaan 300  
 ttccagatcc gttctgggaa ccgagcaacg ttttcttcan cgacctatac gctaacaaaa 360  
 ccgaaattcg aaacacgcga aaatcgaatc tcttggttaa cagttggttc tanatctgta 420  
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 <212> DNA  
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 aagctattca ctgattcgag aactgttctc gctgattctg taatcatttc tactggagct 240  
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 aatcgtggta tctccgcttg tgctgtttgc gacggagctg ctccgatttt tangaataag 360  
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 agtatggntc t 431

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 aggcttgcac ggaaatgcaa ctcgagttac aacggtccat aagacaagag gtctctgctg 180  
 cgatgcaccg ctctactgac caaccaggtc catccaagga cactgcgagt tacgagtcaa 240

aatgggaata tgtaaggaaa gggatctgct gcgtatgctg cgagagcaat attgactctt 300  
tattgtatag atgtggacat atgaacacct gcgagaagtg tgcaaagaag ctagtggaag 360  
cgggaggaaa atgtcccatg tgtcaagccc ctgtgattga ggtagttcgt gcttactcta 420  
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gccaccaccg tgaaatcaat gcactcagca gtaatagtgg tccatcggtg gattcggtcc 180  
caacaagaac cgacaagagg cagtttcttc gtggtgacgg taacggtaaa ttcgggaagt 240  
tcggtgggaa atttgtaccg gagggaaacc cattgatgtc tccctgatag aactgaaga 300  
caattacttg ttagtgcatn acaattcagg agactacaag cgttagaaca ctaggagaga 360  
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<212> DNA  
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acttcattgt ctctaaaaag tcgtgattat agtcacatca ttagcggtta accgcttgct 180  
atagctgcaa cggagaaggc tcaatttaca gttaaaggca tgaatctccg tcagcgtggc 240  
acaaggttac tttgttctgt tgaaggaaaa tacttgattc aggaaacaac acacgattcg 300  
acgaccaagg gaggatgacg atttcaagga caacagtgag attggttgagt gtgtaaactt 360

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<212> DNA  
<213> Arabidopsis thaliana  
  
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nacaggaagt cttctgattg ttctgtgtct acttcagaga aatctanggc caagtcgtcc 180  
ttgagtgaat ccaaaagtaa aggctctgat cacattgtgg cacaaacgtt tacattctct 240  
gagttagcta ctgccactag aaacttcaga aaagaatgtc ttataggaga aggaggattt 300  
ggtagagttt acaaaggata cttggccagc actagccaga cagcggctat caagcaactt 360  
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accaaccgag actaataatg agattcttac cggcgccggg agcttactgg gccggaaaag 180  
tgaaaataaa gtgtccggag actgatctcg aagctgagtt acatttgatc tccgattcat 240  
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aatcttcctc tggtaacagc tctacaacat ttttggccat tgggacagaa cggtaatggc 360  
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436

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tacaacatcc tgatggcaag atcgatagat attacgggtcc tgtatccggt agtgagatca 240  
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agaatattcc cggggacaac aacaacaaca gtgataagan gaganaaagg gtgtaagggtc 360  
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<210> 16957  
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<212> DNA  
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<223> unsure at all n locations  
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gtaaatgtcg gtaactctag tataagtant antactgttg ctacgggaga gactcctata 180  
tggaaaaaag cgattttagg ttccggattc agaggaagtn aanagagtac ggaatgaaat 240  
gtataaggaa aggtttgttt aatgaggctt tgaagttnta tgatagagca ntaactttat 300  
ctccgactaa cgctgcttac cggagtaatc gagctgccgc attgattggn ttgtctenaa 360  
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<210> 16958  
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 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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caaaggcatt tctaagcaaa agctcctagc cgactttaat gccactctca aacgcggcaa 180
gaatctcatg ttccacaacc gccgccgtgt cccaggetcg gctggtgcgt cccatccaca 240
gaacgagtag gagtttagct gcagcgacac tcctaactac aaccgggnt ntccccttca 300
acatggctgc cttcaagaag aagagccacc acaacagcct cttctcctgt ggtcaagcgc 360
caaccgaccc ttgatgacga cacttccgtc tccagagccg ttctaaaagc tgctcaacag 420
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<210> 16959  
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 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E2-C4

<400> 16959

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gaaaacttcc ttgtcatcat cacacctcgt cttctcatct tctgcaattt ccgcaccgcc 180
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 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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 gaatccctca cttgangccc tctgagtaca ataggctcnag attatcaaga aacaggacga 180  
 ctgtaaaccg agcatacggg ggaaggtttc ccttgtctgg ttctgcantc agggaaanga 240  
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 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<223> unsure at all n locations  
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tgaagatttc tctgatctcg atcttctcca gttctttact ctccagggct tggataggct 180  
 cggtaacggg attttccgca tcgtcggaaa gtatttcctt gctcgtgtag tgagtgcgga 240  
 gcggctgaag aagtatatat ccagagaagat aagcaaccaa aaaatttgtc ctgaggggacc 300  
 tttgtgcttg gtttacatgc atagcacagt ccaaaaggac gacaattcac cggaattac 360  
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<210> 16963  
 <211> 333  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E2-D10

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 acgagggatc tgttcgcgag gccattcagg aagaagggtt acattccact ctcgacttac 180  
 ctgagancct tcaaggtcgg cgattacgtc gatgtgaang tgaatggtgc gatccacang 240  
 ggtattcctc acaagttcta ccacggtcgt actggtccta tntggaacgt ttaaccnca 300  
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<210> 16964  
 <211> 436  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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 cgaaactctt gtcccgtgtg cagattcgag ctaccttcag agcctaatacg acggagcaac 180  
 aacaacgagg aggataacgc cgtggggatg acgatttggg gacttcccgg tgggtgattc 240

gccgtaggga ggtttaacgc agcaatgaga gacggagaga gagttttgcc agtgggtgta 300  
acagaaatgg atgggtgggg gattggtaat agccaggatg gtcctagacg gatctcatgg 360  
gttaggtcac acggtacact cgaatcggat agtaacggta ctggctcaag ttccccggctc 420  
cgggtggaaga ttgagg 436

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<211> 493  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-001-Q1-E2-A5

<400> 16965

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gatccacaac aacaagaatg aatacattca agatatcata tttcattatg gtgctcataa 120  
tggtcttagc cattgctata acatttagcg agccgctaac ggttgaagca aaacatcaac 180  
acaaatatgg ttgggggata gccgcttctg caaggaacaa aggtaggaaa catttaggtg 240  
caacattgac atgtgacaaa agccttcccc cccaagggtg tgtccgtctc aaaggcantc 300  
cangtcgtaa ttgttggtccg ttaagaaagt ggtgtcccaa ttttgangga ccaaacaaaa 360  
ttngaactgg ccgggaagat gtttggaaaa aatgctggcc aaattaactc ccggaagggg 420  
tttgctggc aaaccgggnt aaantggtgt taaaacccca aatngttttg gataagggag 480  
aacaattggt ggg 493

<210> 16966  
<211> 440  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB25-001-Q1-E1-E12

<400> 16966

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atattttcat cattctgttt ctccatcact ctttctcgtc cactcgacaa tgaactcatc 120  
atgcaaaaga ggcacatcga gtggatgact aaacacggcc gtgtctacgc ggatgtgaag 180

gaggaaaaca atcgctacgt tgtgttcaaa aacaacgtcg aacgcattga acatttaaatt 240  
 agcattcctg ccggaagaac tttcaaactt gcggtaaatc agtttgctga tttaaccaat 300  
 gacgaatttc gttccatgta cactggtttc aaaggtgtct cggcattatc tagccaaaag 360  
 ccaaactaaa atgttcgccg tttaggtacc aaaacgtttc ttctgggtgct ttgccgntt 420  
 ccgttgactg gangaaaaaa 440

<210> 16967  
 <211> 501  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E1-E9

<400> 16967

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 gnccgctctt tttttttttt tgggtgtcacg aaaacgaacg aatcagtgtc ggctcttggg 120  
 ttccgaacaa aaacaacatt gtacgtcgga tccaaaaaac gcgcgttata taaacgctta 180  
 atttctccag gattcttctt ctgcttccgc cattgctcga aaatcgcgtc ttctgacaat 240  
 gtgctgaaac tgagtcacgc tccgagttag caaagtgaac cttcgaagtt tctcttacac 300  
 taatctcagg tttgggattt tgtaagaaac cgcgtttaca aaatgttcaa gttgaagcaa 360  
 tgggtgattt atttggtgtg ttcgttagta ataatgaaca cagaaggact gtttgtcaat 420  
 attacatttg ttcgaaacgc agtcgctaaa ggggccgttt gtttagatgg aagtcaccca 480  
 ncttancaat tgggtaaaag g 501

<210> 16968  
 <211> 55  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E1-F12

<400> 16968

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<210> 16969

<211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E1-F9  
  
 <400> 16969  
  
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 ttagacagcc cgtctgggca ggtttgccctt aacattaatg caatcaaact acccgtgaat 120  
 gtccttaggg ctgtaactgg atatgctgga gccggtagaa gaagggtcac attggatcag 180  
 caaggcccaa caattgtaca tcaaaagcca gggcctctgc agacgatatt tgatctcctc 240  
 ccggatgagg ttgtcgagca cagttattca tgtgccctgg agaggtcatt cctgtatcat 300  
 ggccgaatgt atgtttccgc gtggcacata tgtttccact ccaatgtttt ctctaagcaa 360  
 atgaaggttg ttgtccctct cggagatata natgagattc gtanaagtca acaccgttga 420  
 taaaccanc ta 432

<210> 16970  
 <211> 524  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 16970  
  
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 cgcgncgag cgtttatact ctgtaatgcc agatccgcgg taacgcaagt cagtgcacta 120  
 ctccggcggt tatcactgaa tccgattatg gctagtcttc ttcgatcctt aatccttttg 180  
 ctaatcgtgc aatcattttt ggttgcgatc gctttcgggt cgaaagaagt tgaagaattc 240  
 agcgaggcat tgctcttgaa gcctttacct gatcgaaaag ttttagctca cttccacttc 300  
 gagaaccgag ctctccgctc aaactcccat ggccgccatc accatctctt cccgaaagct 360  
 atttctcagt tggttcaaaa gtttcgggtc aaggagatgg agttatcttt tactcaaggg 420  
 tcgatgggaa ccatgaaaca attggggaag gatttgacct tccaatcaag tatgaatgcn 480  
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<210> 16971  
 <211> 427  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB25-001-Q1-E1-G11  
  
 <400> 16971  
  
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 aatagataag gatcatgttc ttgagaaact gaaggatctc gtcttttagtc atgatgagca 120  
 tggagacaac agtctaactg aaactgttga acaagccaac attcccacct gcaagaactt 180  
 ggaagacaga gatacacttg aagaggaaac atgttcagag gggaaaatag atggcagttg 240  
 tcttgtatcc tctcctcttc cacatacaat aagccagttg atgcatgagg tgaaggaact 300  
 cagggcatgc gggctggaaa attcaaccaa gatatgttac ttggaagaga agctggacaa 360  
 agcacacaag gaaatttatc aattgacaga gcgttgcaac atgctggagt ccatatcaag 420  
 tccttta 427

<210> 16972  
 <211> 504  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E1-G9  
  
 <400> 16972  
  
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 cgccgttacg gctgggtgta aattctctat ctttatcagt taaattcatt ttccanttta 180  
 atggagacaa aatgattctg tgttggttta acagggtcga cgaatggaag gacccatcgg 240  
 aggaagctct cgccggcggc agaggaatgt tttgtgtagt tcccttgacg aaaactctgt 300  
 ttcagacagc ttcacaatca atgaactcag ctgtcaaatt tctggatatg aagtttcaga 360  
 aattggcaaa tcctatgcac aatccaagtg gagatttagg gtcaaatca aatgtgttgg 420  
 attaacaagt acatgtgttt antgttggat tatacgtcta gatctcanct aagtactttg 480  
 ntcaaagttt tttggctgng ntna 504

<210> 16973  
 <211> 379  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E1-H10

<400> 16973

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 tggggagagg caccttgatg tgcgacatga cattattaaa aggagattag actcttctgg 120  
 caatgtcatc gaggcaaaac aagacggaat tggtcatact aagattgana aacctttaca 180  
 aaaacatggt ggaaggttgg aacacaatga aacatactgt ggttcctggt ttggagcaga 240  
 agcgtcanat gatgcttgtt gtaattcatg tgangaagtt cgccaagctt accgaaagaa 300  
 angttgnggc cctctccaga ccctgaatca atccgancaa ntgtaaaaga naanggcttt 360  
 ttcaaaaagg taaaanntg 379

<210> 16974  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E1-H11

<400> 16974

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 ttgaaagcag taaactcatc agaaaggata agtcatcata tggatttggt cactactttg 120  
 atcgaagatc cgctgctctg gctatactgt ctctgaacgg aaggcatctg tttggacagc 180  
 ctatcaaant caattgggcg tatgccactg gtcagaggga agatacatca agtcatttca 240  
 acatttttgt tggagatctc agtccagagg tctactgatgc aacattatat caaagctttt 300  
 ctgtcttttc cagttgttcn gatncnagan ttangtggga ccaanaaact gggcnctcga 360  
 tangctttgg gtttgtttcc ttcncaatca acagggntgc ncaaactgcc attanng 417

<210> 16975  
 <211> 462

<212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E2-A1

<400> 16975

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 gccattgttc gtttcacttc ccagcttgcc tgggctgatg ctgggtcccga ggtcgcagag 120  
 cctgaagttt ccaggctatg taaggaagca gaggagtcta taataaatgg gaagtggctg 180  
 gatttggtcaa cgttgatggg aacttcagct gacttggtat cagccaaaat ctctgagaaa 240  
 gatcttgagt gtacctacac catcatttgc aaccttgtca agaaaantnt gccgaacaag 300  
 tcctgaggaa ntccttgaaa tggtgaaact atactgctaa gggtatcaac aaccaaacga 360  
 caaagcttca ttgnttttga anantcncctt aanncnaaaa aaanccgggt anacaaccaa 420  
 aatgcccggt ttcaaanta catgaaagcn ctggaacngg nt 462

<210> 16976  
 <211> 441  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E2-A10

<400> 16976

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 cccagaccgc ccgccgccgc caccaccacc gcacccaaag ccgtatgctc tacgatacat 120  
 ggcggnctct cttggccgga ttggtataat ggatacanac aaagatggta acatcagccc 180  
 acagagtccg aggagtctta ggagcccang aaacaacatt ctcatgggga agtacgagct 240  
 tgggaagctt ctgggccacg gaacctttgc aaaggtttat ttagctcaaa acatcaaata 300  
 tggagataaa gtcgccatta aagtcacga nnaggagaag attatganag agtggtttgg 360  
 ctgctcacat cannacgggg aaatctctat cntccgccgt gtcgctcacc cttacatcgn 420  
 tcaaccaagt cgacgttatt g 441

<210> 16977  
 <211> 507

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E2-A11  
  
 <400> 16977  
  
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 gggnacgttt cctcgactc aacatcatca tcagagggtt aaagacgaac gaatnagatg 120  
 ccttcaagca cattctccgg gactgttagc acgccgaagc tgtcgggtggc agtggacatg 180  
 ggaaaccctt ttctcaatct caccgttgat gccttcctca agatcggagc tgttgaggatc 240  
 actaaatctc ttgcagaaga cacttacaan gccatcgaca aagggagtct ctccangagc 300  
 actttggacc atgcgcttaa gaagtttgt naagaagggtg tttactgggg agctgctggg 360  
 gngtgtnca ttggaacaga atacggnatc gaacgtatcc gtggcagcan agattggnan 420  
 aacgcaatgt tagcangcgc ggcgacagga gcagtgtct cagcggttgg taacaaaggc 480  
 aatgacacta ttgtgatcga tgccant 507

<210> 16978  
 <211> 449  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E2-A2  
  
 <400> 16978  
  
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 cggtttcgcc gtcaccggcg ttctcatcac caagctaacc gccggactca ctgaggaaga 180  
 tgctaagaac tccaagttcg tccagcaaca cagaagggtga ttcactgaag caaatgtag 240  
 aagctgacaa ggcataataga tttgggacnt aaatttaagt gaatgcttca gctttgaaac 300  
 atgttcaata acaaagaaga tcattctata tactctttta ttttctctga gtttcgaaat 360  
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 ccatttgttt gggaaatgga ttttatggc 449



<210> 16979  
 <211> 437  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E2-A3

<400> 16979

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 ttggcattgg cgaaagcaga gagcatcaag aaaattccaa cgtttaagat ttataagaag 180  
 ggagagaaaag tgaaggaaat ggtatgtcct agtcatcagt tactagagga ctngttacg 240  
 catttccnct tataacatat cncctcttctc attctttcaa anctttttta aagccttcac 300  
 gaacgtaaat tgattcaaag agccatttgt aattgaaatt tcatectttg tttgcttacg 360  
 gtatancaaa ttgaaacctg cncnnattgt nntaaccoga ggaaatggca ggtttcncng 420  
 gaaaaaaaann nnnnnnng 437

<210> 16980  
 <211> 426  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB25-001-Q1-E1-E11

<400> 16980

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 tgtctgttat tgctcatgtc gaccacggga aatccactct tactgattct ttggttgctg 180  
 ctgctggtat cattgcccac gaggttgctg gtgatgttcg tatgactgat accagagctg 240  
 atgaggctga acgtggtatc actatcaagt ccactggtat ttctctctac tacgagatga 300  
 ctgatgaatc cttgaagagt ttactggag ccagagacgg aaacgagtac ctcacatc 360  
 ttattgattc acctgggcac gttgactttt cntctgaagt tactgctgct ctccgtanta 420  
 aaggag 426

<210> 16981  
 <211> 416  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-D9

<400> 16981

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 ctccggaaat ggcgtccttc aagttgatgt cttcttccaa ttccgacttg tctcgccgta 180  
 attcttcttc tgcttcatct tccccttcta taagatcatt gcaccatctc cgaccaaatt 240  
 ctacgcccga tcaactccaga atcagtttctg cttatggcgg aggagtcaac gattacactt 300  
 tcgctgtctga ttcaaagccc ttcgagatgg cgattgatgt tgatcggagt atcggagatc 360  
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<210> 16982  
 <211> 435  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-027-Q1-E1-H9

<400> 16982

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 atctcagctt tacatgaaga tccaggccga gaactctgtt ctcaccgctc agatggagga 180  
 gcttagcacc agactccaat ctctcaacga gatcgttgat cttgttcaat ccaacggtgc 240  
 aggatttggt gttgaccaga tcgacggctg tgggtttgat gatcgtacgg ttgggatcga 300  
 cggatattac gatgatatga atatgatgag taatgttaat cattggggtg gttcgggtta 360  
 cactaaccaa cccattatgg ctaatgatat caatatgtat tgattaatan aattaattaa 420  
 aataattaga tgccc 435

<210> 16983  
 <211> 331  
 <212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-B3

<400> 16983

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tgagccgcaa atcgtttgcg tttgatagtg atgctcctgg agcaggaatg gctgagaaga 180
agcaggtctt tgagatggct cttagcactg cagaagtcac cttccagaac ctggattctt 240
cagagatttc tttgactgat gtgagccact acttcgattc tgaccctaca gatctagttc 300
agagtttgat gaaggataat aagaaaccaa g 331
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<210> 16984

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E2-B3

<400> 16984

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tgagccgcaa atcgtttgcg tttgatagtg atgctcctgg agcaggaatg gctgagaaga 180
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cagagatttc tttgactgat gtgagccact acttcgattc tgaccctaca aatctagttc 300
agagtttgag gaaggataag aagaaaccaa gctcttacat tgctgacact acaactgcaa 360
acgcgcaggt gaggacacta tctgagacag tgaggctgga cgcaagaaca aagctgctga 420
atccaaagtg gtacga 436
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<210> 16985

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-023-Q1-E1-F11

<400> 16985

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cgaagaaaat ccaccatttc cgattgttct ttctctttga caaaaccag atagataaaa 180  
attcgttcca attccagtga gtc ccgaaa tggcgctcct caagttgatg ccttcttcca 240  
attccgactt gtctcgccgt aattcttctt ctgcttcatt ttccccctt ataagatcat 300  
cgcaccatct ccgaccaaat cctcacgccg atcactccag aatcagtttc gcttacggcg 360  
gaggagtcaa cgattatact ttgcgctctg attcaaagcc cttcgagatg gcgattgatg 420  
ttgatcggag tatcggaga 439

<210> 16986  
<211> 431  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-011-Q1-E1-H5  
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ttgagccgag gaagaagggt caggtagcta aagatctagg gctgcaacca atacaagtgg 180  
ctatatgggt tcaaaacaag acggctcgat ggaaaactac acaacttgag aaagagtata 240  
acactcttac agccagttac aacactttgg cttcacaatt tgaggatcatg aataaagtga 300  
atcaatctct ggtctctgag ctgcagatac tatacgaaga tatgcacatg cctaaagaag 360  
aaaagcatca tgagtgttgt ggtgatcaat gactggatct aagcatcagc acagagtctc 420  
ataatggaaa c 431

<210> 16987  
<211> 450  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-047-Q1-E1-D3  
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aaacgatggc gtttcatcac aatcatctct cacaagacct ctcttcaat catttcaccg 180  
accaacacca acctccacct ccgcaaccgc ctctctctcc tccgcaacag caacaacatt 240  
tccaagaagc accgcctcct aattgggtaa acacagcgct tcttcgttcc tcagataaca 300  
acaataactt cctcaacctc caciaagcca ccgctaacac cacaaccgca agcagttccg 360  
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caactgctgt ttcagcgaga ttagtagtgg catgaccatg aataagaaga agatgaagaa 180  
gagcaataac caaaagaggt ttagcgagga acagatcaag tcacttgagc ttatatttga 240  
gtctgagacg aggcttgagc cgaggaagaa ggttcaggta gctagagagc tanggctgca 300  
accaagacaa gtggctatat gggttcaaaa caagaaggct cgatggaaaa ctaagcaact 360  
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ggatatagat aggtttcttg ttggatcttg atccctctgg aaaaggaggg gagaatagca 180  
 gttcatgatg ggattttgta tctgcccggt ggagtcacct gcgagattac tatggagtac 240  
 agcttcttcc gccataagat catgatcttc taatccttcc tacttcttcc catcttttta 300  
 atcatcttct cgctatctct gcttccccct tctctctggt tectcttctc cagaactcag 360  
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<210> 16990  
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 <212> DNA  
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<223> Clone ID: LIB35-024-Q1-E1-H6

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 cggagtttca cagatctacg tgatcttctt ccattaaagg cggcggcttc ttcattcgcc 180  
 gccgcagctg gatcttcaga cagtagcgat tcaagcgctc tgctgaatga agaaagcagc 240  
 tctaattgtca ctgtggcggc tccggtgacg gttccaggag gtaatttctt ccagtttgtg 300  
 aaaatggagc agacggagga tcatgaggac tttctgagtg gagaagaagc ttgtgaattc 360  
 ttttccgatg aacaaccgcc gtctctacac tgggtactcca ccgttgatca ttggaattga 420  
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<210> 16991  
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 <212> DNA  
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<223> Clone ID: LIB35-031-Q1-E1-D9

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 caagttgctg tttggtttca aaaccgtcgt gctcggtgga agacaaaaca gcttgagaaa 180

gattacggtg ttcttaaaac ccagtagcat tctctccgtc ataactttga ttccttccgc 240  
 cgtgacaatg aatctctcct tcaagagatt agtaaactga aaacgaagct taatggagga 300  
 ggaggagaag aagaagaaga agagaacaac gcggcgggtga caacggagag tgatatttcg 360  
 gtcaaggagg aagaagtttc gttgccggag aagattacag atgcaccgtt gtctcctcc 419

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 <211> 410  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-002-Q1-E1-D7

<400> 16992

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 aagacgacag aatggtgagt tagagaagaa acttgagcct gagaggaaag ttcagtttagc 120  
 tcaagaactt ggtcttcaac ctctgtaagt tgctgtctgg tttcaaaacc gtcgtgctcg 180  
 gtggaagaca gtacagcttg agaaagatta cgggtgttctt aaaaccagc acgattctct 240  
 ccgtcataac ttgattctc cccgccgtga caatgaatcg cgccttcaag agattagtga 300  
 actgaagacg acgcttaata gaagaggaga agaagaagaa gaagagaaca gcgcggcagc 360  
 gataacggag agtgagatct cgggtcaatga ggaagacatt tcgtttccgg 410

<210> 16993  
 <211> 446  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-012-Q1-E1-F11

<400> 16993

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 attggatata gataggtttc ttgttgatc ttgatccctc tggaaaagga ggggagaata 180  
 gcagttcatg atgggatttt gtatctgcc gttggagtca cctgcgagat tactatggag 240  
 tacaagcttc ttccgccata agatcatgat cttctaattc ttctacttc ttcccatctt 300

tttaatcattc ttctcgctat ctctgcttcc tctttctctc tgtttctctt ttctcagaac 360  
tcagaagtag ttgttggttt atttctgttg atcaaaaatg gaatcaaatt cgttnttctt 420  
cgattcatct gcttcacacg gcaaca 446

<210> 16994  
<211> 453  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-010-Q1-E1-H6  
<400> 16994

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tgatgtcagc agagccattc ttgacctga agaagatgaa gaagagcaac cacaacaaga 180  
acaatcagag aagggttagc gacgagcaga tcaagtcact ggagatgatg tttgagtctg 240  
agacaaggct tgagccaagg aagaagggtc aattagctag agagctaggg ttgcagccga 300  
ggcaagtggc tatatgggtt cagaacaaga gggctcggtg gaaatccaag cagctcgaga 360  
ctgagtacaa cattctcaga caaaactacg acaacttggc ttctcagttc gagtccttaa 420  
agaaagaaaa acaagcttta gtctctgagt tgc 453

<210> 16995  
<211> 392  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-035-Q1-E1-B8  
<400> 16995

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caagaactca aacatgaact caagcagggt tacaaggaga aaattgtgga cataagagag 120  
gagatactga ggaagagaag agctggaaaa ttaccaggag acaccacctc tgttctcaaa 180  
tcatggtggc aatctcattc taagtggcct taccctactg aggaagataa ggcgagggtg 240  
gtgcaggaga cgggtttgca gctcaaacag ataaacaatt gggtcatcaa tcaaagaaag 300  
aggaattggc atagcaatcc atcttcttct accgtctcaa agaataaacg ccgaagcaat 360



gcaggtgaaa acagcggaag agaccgttga ga

392

<210> 16996  
<211> 402  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-055-Q1-E2-E4  
  
<400> 16996

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catcctcagg caatttcagt gttacaaaac cagtaccgaa tgtgtcgagg tattatggaa 120  
ctatcaaattg ccttgatata tggagacaga ttatgctgcg gttctgctga agtagctgat 180  
gccacacttg tgctttctac ctccagttct acttcgccat ggcttaaaaa ggttctggag 240  
ccaacaagaa cagttgtatt tgtaataca gatatgctgc gtgcttttga agctagggat 300  
cagaatgcga tcaacaatcc agttgaagct tccataatag ctgagattgt anaggagcta 360  
gttaacaatg gagttggata ntaaanatat tgggaccta cc 402

<210> 16997  
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<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-055-Q1-E2-E8  
  
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gagcgttgt taaggcagtg gggaatagtc gacgttgatg actgttgtgg ctgtgctaaa 180  
tacttggtat cttctggcaa ggcagatgtt aagcagctct gtatatctgg cggttctgca 240  
ggaggttaca caactcttgc atcattggcg ttcagggatg ttttcaaagc tggagcgtcc 300  
ttatacggag tggctgattt aaaaatgttg aaagaagaag gtcataaatt tgaatcccgt 360  
tatatcgaca atcctgttgg agatgaaaaa gatttct 397

<210> 16998  
<211> 254

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 cgggacggcg aagantggag ttggagttgc gtccatggga atnatgagac ctgaacntnt 180  
 tattaaatcc aatgntcccg gtngccangg cnggggtntt taggtattta nggtttgatc 240  
 atccctgtta tcaa 254

<210> 16999  
 <211> 404  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 aactcagagg ctgccatgtg cttacagaat tttccttgc aagaagttga aaggcataat 240  
 aaaccagagg ttgaattaaa gacgagccca gaacttttgc taaatcctgt tttaatatgc 300  
 cgaaatgagg ctgaaaagtg tttaataaga aacatccaat aaantcaatn ccgggttaan 360  
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<210> 17000  
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attaggtgcg ccgccgcttc acctgggaaa aaacgggtata acatcgctct gtttcccgga 180  
gacggtatcg gtccagaagt tatctctgtt gctaagaatg tgcttcagaa agctggatct 240  
ctcgaaggac tggagtttga tttcaaggag atgcctgtcg gaggagcagc cttggatttg 300  
gttggagttc cattgccgga ggaaactttc acgggtgcaa aactatcctg atgccattct 360  
tcttgagct attggaaggg tacaaatggg acaangaa 398

<210> 17001  
<211> 389  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-055-Q1-E2-G4  
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ggtgattgaa actgaatcga ttgtgattgt gattgtgatt gtgattgtga ttgtgaggga 120  
attatggctc aagccgtaga agagtggtag aagcagatgc cgattataac ccggtcgtat 180  
ctcacggcgg ctgtagtcac caccgtcggg tgctcgtcgc agattatata tccttataat 240  
ctctacctaa atcctaccct tgtggtgaag caataccaag ttctggcgctc ttgtcacaaa 300  
tttcttttat ttccgaaaga tggatttgga ctttttggtc caaatgtggt tcctccttgt 360  
gcatatgaac tcaaattgtg tacaaaagt 389

<210> 17002  
<211> 351  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-055-Q1-E2-H11  
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nnnngaaacc atttgatcga tctctcaggt tacttagaat ggcacaagaa gccgatggga 120  
tcagattgga ccaaagacat gggaaggctc gaggtagagt tggaagagtt tggcgatcatg 180

ctcatgatgg atctcatcac ttgttgaat ggaatgtag catcaagttt tctctctcac 240  
 tgtctctctt cttaccgtct tgatgataac tccgatantg tcgccacaga ttccaattaa 300  
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<210> 17003  
 <211> 360  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-055-Q1-E2-H12  
 <400> 17003

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 attctcatgc tccccctctg ttgatcagca gacttggtgg cggtgtctca agcttttaac 180  
 tgaaaggtct ccagttgccg gggttgacct tccaattcct gctgttctag cgtgcggcca 240  
 tgtttaccat gcggcatgct tagagacaat gacaaatgaa acagagaagt atgacacctac 300  
 gtgtcccata tgcacagaga cacaaggta cnaatttanc ganggaaagc tctaaaaccg 360

<210> 17004  
 <211> 394  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-055-Q1-E2-H8  
 <400> 17004

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 ccgatattcc aaggaacgga atgtcttaac cagctgaagc tcattgtcaa cattctcgga 180  
 agccaaagag aagaagatct tgagttcata gataaccgga aagctaaaag atacattaga 240  
 tcacttccgt actcacctgg gatgtcttta tccaagactt taccggggcg ctcatgtttt 300  
 ggccatcgac cttctgcaag aaaatgcttg tttttgatcc gtcaaagang atagtgtctc 360  
 tgaagcactc caacatccat acatggggnc tcca 394

<210> 17005  
<211> 321  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E1-A7

<400> 17005

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tgtcccggtg acatctgctg cagtcagtac ggttactgtg gnaccaccgc ngactactgt 180  
tctccgacca acaactgtca anngcagttg ttggggaagn tggggcctan gcggggccag 240  
ggggaagagc gccgtcgaan ngtagcgnc caacntaccg anttctanta atccgggggc 300  
agaaataatt ggggatttgg a 321

<210> 17006  
<211> 375  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E1-B7

<400> 17006

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attgtagttc cgattccgan aaggtctctc gtttccacgt gtctgacagt cggaatgccg 180  
tttccatgcn ttgngatccg tanatgccga cgcgggcgcg agtgggagat ntccnggagt 240  
tgcangtata angccggggt cngagagtcc tcgtccccac gantgntggt ganccgtcgg 300  
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ggattctcgg ctggg 375

<210> 17007  
<211> 343  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E1-C5

<400> 17007

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tgctatcttc ggtgacattg aaaccagctg gtttcacggg ggagaagacn gcggctaggg 120  
gattaccgtc gtcacaaga gtcgtccct cttcaaaaat tgtcgccagt ggcgtcaaga 180  
ngatcaagac cgacaaggcc cttcggnatt aacgggnagn atggnccttg agggacngcg 240  
ttcgacgcct ccnggncaga anaggggcaa ggggatacgg tgtttaacaa gtacgtcgan 300  
cangtatngg nnctaacgtc natggagtac agtcctantt aca 343

<210> 17008  
<211> 393  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E1-C6

<400> 17008

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agcttattta catcgagca gttcatggcg tgaggagacc ttaaggaatc attcatgggc 180  
gtcggatttc ttttcttctt attgtggcaa tcatccgaaa ctcgggatnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nctttattt tcttcatagg aagcttaaga taaattcatg 300  
cattctttat gtacaaaagg attagatctt gttttgtgtg ttgtcacttt gtgttcatgg 360  
aataaaatcg aactttgagg caaaaaaaaaaaa aaa 393

<210> 17009  
<211> 325  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E1-C8

<400> 17009

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actaatacca atccttttga taacagtacc gggagaacag anagtacang aaagtccttt 180  
ggaagctatt gatagacatt tgaaagatga cacaacaatt cattggtcag ctcacaacgt 240  
tcangtaata ggaaaaggag agaaaggtaa agataaagac accgtggaaa gcgaagtgtg 300  
tcatttagaa aagagagaag cttct 325

<210> 17010  
<211> 314  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E1-D2

<400> 17010

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tcagcgagga cggcggtgct actacgtcat ctgggaccgt ccgattgtac aagtgagaaa 180  
ttatctctcc gcccgtaga ctctccggtc cgagatagca atcttttttag ccaattttta 240  
gtatcttata taataggttt ttggctcacc atgttttggt gtatattggt tttgtgttac 300  
atcttaaaag aata 314

<210> 17011  
<211> 340  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E1-D3

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tgagctctct cgccgtnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnagtgttct tatggggact gcgtcgaatc angataatca 240  
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340

<210> 17012  
<211> 329  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E1-D5

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ttgggtggcg tcaactccgaa agcccatca ccggtatacc gataagggaa gtgagaccaa 180  
aagtgacgct agtggtagca atggcagctt cggtaggtaa ctatgattac atcatttgat 240  
tacgaagttc naaactgatg ggcttataaa agctaaaggt cgggctaagt ggaatactaa 300  
tggtgaaagg gacaacatat caaaacana 329

<210> 17013  
<211> 319  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E1-D6

<400> 17013

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cgtctctgca attgaatctt ccggtaggcg aaagatggcg acgtctgcga gggatttggt 180  
gcggnaggaa ggaaagttgc atgcgccggt tcgttgtgat cgtcgcacgt taaaatttga 240  
attctcgatc gtcattgtgt gttccagtga cgaatcgacg gaatatgtgt gcgatcggga 300  
agatttcgat gtcgatgga 319

<210> 17014  
<211> 309  
<212> DNA  
<213> Arabidopsis thaliana



<223> Clone ID: LIB35-055-Q1-E1-E4

<400> 17014

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ctatcaaagt ccttgatata tggagacaga ttatgctgcg gttctgctga agtagctgat 180  
gccacacttg tgctttctac ctccagttct acttcgccat ggcttaaaaa gggtctggag 240  
ccaacaaaga acaatttgta ttgtttaata cagatatgct gcgtgctttt gaagctaggg 300  
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<210> 17015

<211> 303

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-055-Q1-E1-E8

<400> 17015

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ggttgggcat ttgttgatgt caattatggg ggaagcacag gttatggctg agagtatcga 120  
gagcggttgt taaggcagtg gggaatagtc gacgttgatg actggttggtg ctgtgctaaa 180  
tacttggtat cttctggcaa ggcagatggt aagcagctct gtatatctgg cggttctgca 240  
agaagttaca caactccttg catcattggc gttcanggat gttttcaaag ctggagcgtc 300  
ctt 303

<210> 17016

<211> 306

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-055-Q1-E1-F3

<400> 17016

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aagatcgctc cggggaaata cagttctctc accgatcatc agtttcgtgc gccgtatcga 120

attaggtgcg cgcgcgttc acctgggaaa aaacggtata acatcgctct gcttcccga 180  
gacggtatcg gtccagaagt tatctctgtt gctaagaatg tgcttcagaa agctggatct 240  
ctcgaangac tggagtttga tttcaaggag atgcctgtcg gaggagcagc cttggatttg 300  
gttga 306

<210> 17017  
<211> 276  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-055-Q1-E1-E3  
<400> 17017

attggattcg ggggaacact tggaaatgag agaattttca ttgatgaaga ctttgctaaa 60  
atcacagtcc gtcacatgc agttgataaa acttaccagt caggctctct tttcccaaac 120  
cagggttatt taccagtaga ggctttggtt ctangatatt gaagcatggg ggtaggtgg 180  
aaacaaggct agggaaattc aacaacnata ccnagaannng nagaagnagc ctttttact 240  
aaccacacgt ccgaaagatc gactttgaaa acgttt 276

<210> 17018  
<211> 297  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-055-Q1-E1-G4  
<400> 17018

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ggtgattgaa actgaatcga ttgtgattgt gattgtgatt gtgattgtga ttgtgaggga 120  
attatggctc aagccgtaga agagtggtag aagcagatgc cgattataac ccggnctan 180  
cnnacggngg ctgtatncac aaccgtncgg gtgtccgcc naaattatac ctcttaaaa 240  
accncnaacc taaatcctaa cccttggtgg tgaancaata acaattccgg ngtcctg 297

<210> 17019  
<211> 259

<212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-055-Q1-E1-H5

<400> 17019

ggtcgcagtg gccaggcccg ggcgactgtt taccaaaaac acaggtctcc gcaaagtcgt 60  
 aagaccatgt atgggggctg acgcctgccc agtgccggaa ggtaaggaa gttggtgacc 120  
 tgatgacagg ggagccggcg accgaagccc cggatgaacgg cggccgtaac gataacggtc 180  
 ctaaggtagc gaaattcctt tgtcnggtta agtttccgac ccgcacgaaa aggcgtaacg 240  
 atctgggcac tgtctcgga 259

<210> 17020  
 <211> 304  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-055-Q1-E1-H8

<400> 17020

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 ggaacatcca ttgatgtttg gtctgttggt cgcattttcg ccgagcttct tggtaggaaa 120  
 ccgatattcc aaggaacgga atgtcttaac cagctgaagc tcattgtcaa cattctcgga 180  
 agccaaagag aagaagatct tgagttcata gataacccga aagctaaaag atacattaga 240  
 tnacttccgt actcacctgg gatgtcttta tccagacttt acccgggcgc tcattgtttg 300  
 gccca 304

<210> 17021  
 <211> 394  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-055-Q1-E2-A1

<400> 17021

cagaggagtc tgagaaaatg gatgaagata gccgactgat tgaagaactc cgccagacta 60

atgaatatca aaggtctcag ataccacact tggagaaaag tcttaagcag gccatctcga 120  
atcaggagga taacagattg agcaatgaca accaaatccg aaaattaaag gacacagttg 180  
atgacctaaa tcaaaaactt acaaattggt tgagaacaat cgagtccaag agtggtgaac 240  
ttttaaatct tcaaactgct ctangccagt attacgctga aatcgaagct aaaggagcat 300  
tttgaacgag agcttgcgat ggctaaagac gagttgatga aaccttctgc tcgtttgaaa 360  
gaatctgaat aaccggttaa agtcntcaaa ttaa 394

<210> 17022  
<211> 398  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-055-Q1-E2-A11

<400> 17022

tagtgatggc tccatcagat gaagcagatc tctttaacat gggtgcaact gctggtgcga 60  
ttgatgatcg tccttcttgt ttccggtacc ctagaggtaa cggattgga gttgcattac 120  
ctcccgaaa caaaggtgtt ccaattgaga ttgggaaagg tagaatttta aaggaaggag 180  
agagagttgc gttggtgggt tatggctcag cagttcagag ctgttttagga gcggctgtaa 240  
tgctcgaaga acgcggatta aacgtaactg tagcggatgc acggttttgc aagccattgg 300  
accgtgctct cattcgcagc ttaactaagt cgcacgaagt tccgatnaac ggttnaanaa 360  
ggttccattg gaggttttgg ctgcacggtt gttcagtt 398

<210> 17023  
<211> 102  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E2-A12

<400> 17023

tattagagtg tatatagttg gtttggttat ggtttagatt cgtaggtatt ttgatttagt 60  
ttacttgat ttaagtttaa ttatatatca tttttacact ta 102

<210> 17024  
<211> 395

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-055-Q1-E2-A5  
  
 <400> 17024  
  
 agacggaaga aaattcgaat catcagtgtt tgtttcctcc tctcttaaag cttagccctt 60  
 ctcaggtcat tgtttcttcaa tggctttgag caacacaact actgggggttg ataatacgtt 120  
 tagaaagaag tttgatgtgg aagagtttaa ggagcgtgct cgtgaacgcg aaaagaagga 180  
 atcggatcgg tctaaatctc ggtccaaagg tcctcctgtg caaagagccc ctttgaagca 240  
 tagagattat catgtagacc tagaatctcg tctgggcaag acacaagtcg ttacaccggg 300  
 tagcgcctct aagtcagcaa gctggttaat tctgtcgcgt tttgtgattg tgttgtaaa 360  
 agattccggc aaactacttg ggttacataa atngg 395

<210> 17025  
 <211> 271  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-055-Q1-E2-B1  
  
 <400> 17025  
  
 ttttgctg cctatcggn ccaaccggg tctgancacg cgtccgceca cncgtccgcc 60  
 cagcggtccg cccacgcgtc cgcccacgcg tccgtaggct gcgagaagac gacagaaggg 120  
 tacggctgcg agaagacgac agaagggtag ggctgcgaga agacgacaga agggtagggc 180  
 tgcgagaaga cgacagaagg gtacggctgc gagaaggacg acagaagggg acaaagnaag 240  
 nagacnnaan naaagangaa anaanaaaaa g 271

<210> 17026  
 <211> 404  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB35-055-Q1-E2-B4  
  
 <400> 17026  
  
 cagagcaaag ccagagatgg agccttaagg ccaagaccgt acttgtaacc ggtggaacaa 60

aaggcatcgg gcatgctata gtagaggaat ttgcgggatt tggagcagta atacacactt 120  
 gtgctagaaa cgaatatgag cttaacgagt gtttaagcaa atggcaaaag aagggttttc 180  
 aagtcactgg ttccggtctgt gacgcactct tgagaccaga gagagaaaag ctaatgcgga 240  
 ctgtgtcttc aatgtttggt ggaaagctcg ataccctcat aaacaatttg ggagcgattc 300  
 ggtcaaaacc aacgctgggt tacacagcag aagattttctc gtttcatatt tcgacaaact 360  
 tagaatccgc ttatcatctg agccaacttg cgcaacctcc tgct 404

<210> 17027  
 <211> 488  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-055-Q1-E2-B5  
 <400> 17027

ctgtttagcc ggnccggtac cgnntccana aattcccggg tcnaccacag cgtccgccc 60  
 cgcgccgta cggctgcgag aagacgacag aaggggatta caagcggatt gattatctct 120  
 gtagtcatct ctgtttcctc agtaaagtca tcaaggagaa gaatgtcaac gtgaaaggat 180  
 attttgcttg gtctcttggg gataattacg aattctgtaa cggatttacc gtcagattcg 240  
 gactaagtta cgttgatttc gcaaatatca ctggtgatag agacctcaaa gcatctggca 300  
 aatggttcca gaagttcata aacgttaccg acgaagactc tacgaaccaa gatctactcc 360  
 gctcaagcgt ctctccaag aaccgtgatc ggaagagtct tgcagatgca tgaaatatcc 420  
 aatccactat atgtccacca agatcatctt catgtttcct ctttctactt gtcctataga 480  
 taaggagc 488

<210> 17028  
 <211> 404  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-055-Q1-E2-C1  
 <400> 17028

cgaatgatta gttaaagaag aagaagagga gtcttgcgat agaagaagat ttttgcgata 60

tcttcataga aggaagatgg tcttatctca aggtcttgca tctctctcct tttctcatcc 120  
 atagggtcatg cgtccatgag caattggcat aatacgtaat tgtcagatgg tatactacaa 180  
 ctgtggacaa gagtgtatgt ttttcagtgt ggcagtgttg gaaaaagaag caatgcgagg 240  
 aggcacacct cttcacttaa agagcaaaat cgatgagctg atcaagagtc tcttggattt 300  
 gtgcttctgt acttcttacg aagaagattt agagattgtg gaaaacaatt tgaaacattt 360  
 tgaaagagaa cccacttgag aaatactacc attgggattg tgaa 404

<210> 17029  
 <211> 406  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-055-Q1-E2-D10

<400> 17029

acaaacacaa aaatcaaaag gggtcattta ctatctttta agagacgaca tatatagttc 60  
 tcgaccaaga aaagaaaagg gggtgacctg agttcttcaa cacataacat aatggccgga 120  
 gttttcaaaa cggttacgtt tcntgttttg gttttcgctg ccgttggtgt cttcgcgagg 180  
 gactacgatg ttggtgatga tacggaatgg acgagaccta tggaccccca gttctatact 240  
 acttgggcta ccggtaaaac tttccgtgta nccgacgaac tcgaatttga tttcgctgcc 300  
 gggaagcatg atgtngcaat tgtatcaana aanctgcnat tngaaactng tnagnaaagg 360  
 aaaaacccat tancccat gaaccgttcc tcccgtcaa aattat 406

<210> 17030  
 <211> 389  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-055-Q1-E2-D2

<400> 17030

gaaaaagaga tggaaggaaa aaagttttct tcaaaattta ttcatttgct cattgtgttt 60  
 ttgcttcttt gtacgtttct ttctcgtaac gaatctgctc ttccttatca ccatgaactg 120  
 ttcttgggga ggaagcggat gaattattat aagccaaca gtgccatagg aacaccatca 180

tcagctagtg accacgctcc aggcagtaat gggaggaagt tgatgagtat atatagaccc 240  
aatggagaca tatttacagg accatcaggc agtgggcatg gtgggggtcg cactccagcc 300  
ccctagtata tatatattaa tgtgtaatca aggactcaca agcgaaactt ttaantctcg 360  
atnacgtata acgtatgcgt tgggggtat 389

<210> 17031  
<211> 401  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-055-Q1-E2-D5  
<400> 17031

gccgaaaacg aataagaaga ttaattgagg agaaatcgaa gatgtctata gcgttagtgg 60  
agaagattca agccaaattt tgaagaagtc tagtagattc tgtattgtaa gctactaaaa 120  
tctgcgatgg tgaggcattt caatcgtcgc cggaaaattc atcggagata ttaaaattga 180  
atcaagcttc gaattggtca accgatctat attgagtgat ccagaggacg aaaccgagat 240  
gtatgtgggt tacgcaaaca gaaccgagga tgacattctt gtgaggaag agctagaagg 300  
atgggctaag taagcataag gagaggctaa agatttggtg cgtcgttgaa atcgcaaagg 360  
aaggttggag ttacagtacc gggtttataa ctgaaactgt g 401

<210> 17032  
<211> 369  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-055-Q1-E2-D8  
<400> 17032

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tcgatttctg attttctctg ttcgagcctc tagttccatg gatgacatgg acaccgtcta 120  
caagcaattg ggattgtttt cactaaagaa gaagattaaa gatgttggtc ttaaggctga 180  
gatgtttgca ccggatgctc ttgagcttga agaagagcag tggataaagc aagaagaaac 240  
aatgcgttac tttgatttat gggatgatcc cgctaaatct gatgaagatt cttctcaaatt 300  
tagctgatcg agctaaagca gtcgattccc tcaaagattt caaatacaag gctgaagaaa 360



ntaaactga

369

<210> 17033  
<211> 301  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-054-Q1-E1-C9  
  
<400> 17033

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aagaccatgt atgggggctg acgcctgcc agtgccggaa ggttaaggaa gttggtgacc 120  
tgatgacagg ggagccggcg accgaagccc cggatgaacgg cggccgtaac aataacggtc 180  
ctaaggtagc gaaattcctt gtcgggtaag ttccgaccgc cacgaaaggc gtaacgatct 240  
gggcactgtc tccganaaaa ggctcgggtga antanacatg tctgtgaaga tgcggactac 300  
c 301

<210> 17034  
<211> 226  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-054-Q1-E1-D12  
  
<400> 17034

tacggataaa ataatctcga cggaaggaca aagagttggt attaaaaaag ctttggtggt 60  
ttacatcgga aaagctccta aaggtactaa aaccaattgg atcatgcatg agtatcgtct 120  
cattgaacct tctcgtagaa acggaagcac taaagtttgg atgaattggg ttctatgtcg 180  
aatatacaag aagcaatcaa gtgcgcaaaa acaagtttac gataat 226

<210> 17035  
<211> 303  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-054-Q1-E1-C6  
  
<400> 17035

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 aaaagtggac agattcctcg gtttggagaa tgggaagaan caaatgagat gccataaca 120  
 caatactttg agaatccaag acaagctggg ctgattcgtc accaatacac aacaannnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaga anccttaaag 240  
 cttgcttctc acnatccccg tccacgtcac ctccacgctc anngacagac ggcgggggacg 300  
 aag 303

<210> 17036  
 <211> 301  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-054-Q1-E1-D2  
 <400> 17036

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 gctatgggta tgatggcgat gatcgtgata atggctatgt tggtcgatac atcagtagcg 120  
 atagatctct gcggcatgag ccaggatgag ttgaatgagt gcaaaccagc ggtagcaag 180  
 gagaatccga cgagcccatc acagccttgc tgcaccgctc tgcaacacgc tgattttgca 240  
 tgtctttgtg gttacaaaga actctccatg gctcgggttct ttcggtgttg atcctgaact 300  
 c 301

<210> 17037  
 <211> 276  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-054-Q1-E1-D3  
 <400> 17037

gaaaaagaga tggaaagaaa aaagttttct tcaaaattta ttcatttgct cattgtgttt 60  
 ttgcttcttt gtacgtttct ttctcgtaac gaatctgctc ttccttatca ccatgaactg 120  
 ttcttgggga ggaagcggat gaattattat aagcccaaca gtgccatagg aacaccatca 180  
 tcaactagtg accacgctcc aggcagtaat gggaggaagt tgatgagtat atatagacc 240

atggagacat atttacagga ccatcaggca gtgggc

276

<210> 17038  
<211> 176  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-D6

<400> 17038

ctcaacaatg gcgaaatcag tgtcgacggc ggcttcctcg cttgtgcaaa accttaggcg 60  
gtacatcaag aagccatggc agatcaccgg accttgcgct caccagaat acctcgaagc 120  
tgttccaaag gcgacggagt atcgtctccg atgccccgct acgattgatg aagaag 176

<210> 17039  
<211> 301  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-D9

<400> 17039

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actcatcgtc gttaagggaa caacgaaacc tcagagagaa ggatcgaagg atgcgcatga 120  
aacatctctt ctctatactt tcttctcatg tttctccac tcgcaagtta ccagtgcctc 180  
accttataga tcaagcgaca tcatacatga tccaattgaa agagaatgta aattatttga 240  
aagaagaaag aaaaaggaca ttgttacaag gagaactcgg gaatctctac gaagggtcgt 300  
t 301

<210> 17040  
<211> 302  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-054-Q1-E1-E12

<400> 17040

cactcactca atttggtttc ttgttttgct ctctagatct ctcttttctc tcttctttcc 60  
atctccagca atgggagctt gtttaacact ctcgttctct tgtgatgaag ttgtgaatca 120

aatctctcaa ggtttatgca tcaacgtggg ttatgtttgc gagctctcca agaatgtagt 180  
 ggctatgaag aaagacatgg aagtgctgaa gaaaaagcga gatgatgtga aaaagaaagg 240  
 tanatataga agagttcaca aggcgtcgtg aaaggctttc tcaagtccaa ggatggctta 300  
 cg 302

<210> 17041  
 <211> 291  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-054-Q1-E1-F10  
 <400> 17041

gactcgagac attaacgact tttaaaacta agggacgaac cttaagcaaa agctcttgca 60  
 ttactcaaat tcttctgccca cttggtttgc gatggacagt tctggagcag atctagatag 120  
 aattgaggca caaagggtcaa tgttagtttc tcatgatcaa cggaaagatt tctctcacag 180  
 cggaggagtt ggcaccacgt cacctacggg cgacaccgaa cctggtgccca aagttccgta 240  
 ctaaccttaa attgtcggat cttttcgctc tccctggtga agatgtcgag a 291

<210> 17042  
 <211> 300  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-054-Q1-E1-F2  
 <400> 17042

agccanaaat cacttcttan caaantggat tgcataacc nactnatgga aatggctcca 60  
 gtgatcatgt ggcgagaaga caacangcct gaatcttatc gggaatactg gagacgcccg 120  
 tcaaggagtc ctaagaaaag tancgacttt gaaactgcta ctccatggga cttgctctca 180  
 gatgaangag aagggtccaga tgcatacctca tcantccctc naaatgatat cgcacgagtt 240  
 gattttggag cggtcgangt tgtccagtgc ctaattganc accacatgtg cgattttcac 300

<210> 17043  
 <211> 301  
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-054-Q1-E1-F5

<400> 17043

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ggcgattctg caattgaagg aagctccgat atcagcggcg cgtgaggtgg aagttggatc 120

gtacctacct ctgtctccgt ctgaccttc tttcgtcctg tttaaagcca aaccttcaga 180

tactcctgct ctccgcgcag gaaatgttca nccctatcag tttgttctac cgccgaattg 240

gaaacagttg cnaatagcca atattttgtc aggtaattac tgtcaaccga aatgtgcaga 300

g 301

<210> 17044

<211> 292

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-G5

<400> 17044

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ttcagtggaa gatactgtaa tgaaggaaaa cgtggaatct aaagacaata actatgccaa 120

agatgatgaa aaagagacca aagagacaga tattactgag gcagaccaca aaaaagctgg 180

gaaggaggac atacaacatg aagctgacaa agcaaattgga acaaaagatg gcaatacagg 240

agacatcaaa gaggaaggga cactggtaga tgaagacaaa gggacagata tg 292

<210> 17045

<211> 304

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-G7

<400> 17045

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ggagacctca cagcactag cttacctga gaagctatgt cccacattat cagacgggac 120

gagagtggtc ttgaacttca gcggaagagg agataaagat gttcagacag tggctaaata 180

tcttgatggt tgaagagaga aacacttatg tttgtttttc agttattcaa gacagaatga 240  
aatccttttt ggtacttgta atctgtttgt actttacttc tctctgggtca gtacgtttcc 300  
aaca 304

<210> 17046  
<211> 251  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-054-Q1-E1-H11  
<400> 17046

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atatttttoga ttcanagaaa gaaaaatgaa ttctcaccan aatcaaaccg gagtgcanaa 120  
gaagggaata acggagaaaa tcattggnnaa gctaccangt catccatggg cctactaaca 180  
ctgggtgttg ttcaccacga gangaaagg atgacngaga aagttatggg agcaactggc 240  
aagtccanaa g 251

<210> 17047  
<211> 309  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-054-Q1-E1-H12  
<400> 17047

gatgctacaa aagaaaaaag agatcggaga cgtgtactat agagtcgact atacttgagg 60  
acgcattttc ttggaggaaa tatggacaaa aggagattct taatgccaaa ttccaagaa 120  
gttacttttag atgcacacac aagtataccc aagggtgcaa ggcaacaaag caagtccaga 180  
aggttgagct cgaacccaag atgttcagta tcacatacat aggaaaccac actgttacca 240  
ccaacgcaga aactccaag agcaagactt gtgaccatca tgatgagatc ttcattggatt 300  
ccgaagatc 309

<210> 17048  
<211> 300  
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-A1

<400> 17048

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atgaatatca aaggtctcag atatcacact tggagaaaag tcttaagcag gccatctcga 120  
atcaggagga taacagattg agcaatgaca accaaatccg aaaattaaag gacacagttg 180  
atgacctaaa tcaaaaactt acaaattggt tgagaacaat cgagtccaag agtggtgaac 240  
ttttaaatct tcaaactgct ctaggccagt attacgctga aatcgaagct aaggagcatt 300

<210> 17049

<211> 293

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-A5

<400> 17049

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ctcaggtcat tgttcttcaa tggctttgag caacacaact actgggggtg ataatacgtt 120  
tagaaagaag tttgatgtgg aagagtttaa ggagcgtgct cgtgaacgcg aaaagaagga 180  
atcggatcgg tctaaatctc ggtccaaagg tctctctgtg caaaagagcc ccttttgaag 240  
catagagatt atcatgtaga cctagaatct cgtctgggca agacacaggt cgt 293

<210> 17050

<211> 309

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-055-Q1-E1-B4

<400> 17050

cagagcaaag ccagagatgg agccttaagg ccaagaccgt acttgtaacc ggtggaacaa 60  
aaggcatcgg gcatgctata gtagaggaat ttgcgggatt tggagcagta atacacactt 120  
gtgctagaaa cgaatatgag cttaacgagt gtttaagcaa atggcaaaag aagggttttc 180  
aagtcaactgg ttcggtctgt gacgcatctt tgagaccaga gagagaaaag ctaatgcgga 240

ctgtgtcctc aatgntttgg tggaaagctc gatatacctca taaacaattt gggagcgatt 300  
 cggtcaaaa 309

<210> 17051  
 <211> 292  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-B5

<400> 17051

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 aagaatgtca acgtgaaagg atattttgct tggctctctg gggataatta cgaattctgt 120  
 aacggattta ccgtcagatt cggactaagt tacgttgatt tcgcaaatat cactgggtgat 180  
 agagacctca aagcatctgg caaatggttc cagaagttca taaacgttac cgacgaagac 240  
 tcctacgaaa ccaagatcta ctccgctcaa gcgtctcctc caagaaccgt ga 292

<210> 17052  
 <211> 306  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-C1

<400> 17052

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 tcttcataga aggaagatgg tcttatctca aggctctgca tctctctcct tttctcatcc 120  
 ataggtcatg cgtccatgag caattggcat aatacgaat tgtcagatgg tatactacaa 180  
 ctgtggacaa gagtgtatgt ttttcagtgt ggcagtgttg gaaaaagaag caatgcgagg 240  
 aggcacacct cttcacttaa aagagcaaaa tcgatgagct gatcaagagt ctcttgatt 300  
 tgtgct 306

<210> 17053  
 <211> 297  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations



<223> Clone ID: LIB35-055-Q1-E1-D2

<400> 17053

gaaaaagaga tggaaggaaa aaagttttct tcaaaattta ttcatttgct cattgtgttt 60  
ttgcttcttt gtacgtttct ttctcgtagc gaatctgctc ttccttatca ccatgaactg 120  
ttcttgggga ggaagcggat gaattattat aagcccaaca gtgccatagg aacaccatca 180  
tcagctagtg accacgctcc aggcagtaat gggaggaagt tgatgagtat atatagaacc 240  
aatgganaca tattttacan ggaccatcag gcantgggca tgggtgggggt cgcactc 297

<210> 17054

<211> 300

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-D5

<400> 17054

gccgaaaacg aataagaaga ttaattgagg agaaatcgaa gatgtctata gcgttagtgg 60  
agaagattca agccaaattt tgaagaagtc tagtagattc tgtattgtaa gctactaaaa 120  
tctgcgatgg tgaggcattt caatcgtagc cggaattc atcggagata ttaaaattga 180  
atcaagcttc gaattggtca accgatctat attgagtgat ccagaggacg aaaccgagat 240  
gtatgtgggt tacgcaaaca gaaccgagga tgacattctt gtgaggggaag agctagaagg 300

<210> 17055

<211> 281

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-D8

<400> 17055

ggcaaagatt attggtggat gctgctcatg gcgacgcttt tacaggaaga gaacatcatc 60  
tcgatttctg attttctctg ttcgagcctc tagttccatg gatgacatgg acaccgtcta 120  
caagcaattg ggattgtttt cactaaagaa gaagattaaa gatgttggtc ttaaggctga 180  
gatgtttgca ccggatgctc ttgagcttga agaagagcag tggataaagc aaggaagaac 240  
caatgcgtta ctttgattta tgggatgatc ccgctaaatc t 281

<210> 17056  
 <211> 342  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-052-Q1-E1-A5  
  
 <400> 17056  
  
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 cgacgaagaa gcgttggaag cgttcaagag agtgtcgcgg ttagaggga tcatccagc 120  
 actggagacc tcacacgcac tagcttacct cgagaagcta tgtcccatat tatcagacgg 180  
 gacgagagtg gtcttgaact tcagcgggaag aggagataaa gatgttcaga cagtggctaa 240  
 atatcttgat gtttgaagag agaaacactt atgtttgttt ttcagttatt cagacagaat 300  
 gaaatccttt ttgtacttgt aatcngtttg tacttacttc cc 342

<210> 17057  
 <211> 393  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-052-Q1-E1-A6  
  
 <400> 17057  
  
 agaaaattaa aagataacaa acattttaac aannnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tgttccattt 180  
 cggccacgct cgtgccatcg aacaagccaa aaaatcgttt ccgaatacgt atctgcttgt 240  
 tggatgttgc aatgacgaaa ttacgaacaa attcaagggg aaaactgtga tgactgaatc 300  
 tgagcgatac gaatctcttc gacattgcaa gtgggttgat gaagtgattc cagatgcacc 360  
 atgggttctt acaacagagt ttcttgataa gca 393

<210> 17058  
 <211> 421  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-B1

<400> 17058

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tcaatccgct gtggtggttt ctcaccaaca atctcccaca agacagaaat tctctgtcca 120  
aatccatcac tcaaagcttg ttgtttactt tcatccggtg gtaaggccga ctctcggag 180  
agtacttacc aaaaaggcag cggnaacaat tggaagagaa ggcaagctct tgtgggagta 240  
ggaacttttag tggcaacttc aattccagca actttgcttc ttgctgaaga gataccaaaa 300  
agctactcgc cttttgtgga tcgagaagac ggggtattctt actattacc atcannctgg 360  
gaggggaattt gncttcaggg cacatgattc anccttcaaa gatagatact tgcaactgna 420  
g 421

<210> 17059  
<211> 369  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-B11

<400> 17059

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gttggcaggt ggaaccggaa taactccggt ttaccaaatt atccaagcca ttctcaagga 120  
tccagaggat gagactgaaa tgtacgtcat ttatgctaac cggaccgagg aagatattct 180  
cctaagggag gaactggatg gttgggcaga gcaataccg gaccggttaa aggtttggta 240  
cgtagtggaa tcagctaagg aaggttgggc atacagtacc gggtttattt ccgaggcgat 300  
tatgcgagaa catatccctg atggattana tggctcaacc cttgccaagg ctttccggac 360  
caacaaccg 369

<210> 17060  
<211> 397  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-A2

<400> 17060

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gcaggtggca gtcctcctaa accttgggaa aaagaaggaa atacatctgg tcctaatacct 120  
ttcaggcctc cttctaatac tagcacggct ggttcagttg aggcttctgg cacagctaata 180  
cctgggtgaag tagttcctcc gcccggaac aggcctaata cagctgctaa tatgaattca 240  
ctcagtaggc ctgtaccggc tagaccttgg gaacagcaga attatgggag cactatgggg 300  
ggaggttatg gttcaaatct angtatgacc tctgggtatg ggtcaggtac atatgggtca 360  
acattaagtg ggtatgggtc atcatatggt ggtggga 397

<210> 17061

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-052-Q1-E1-B2

<400> 17061

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caacagaaat ttccagtttt ctaacccaaa ccgcactctg tcgctcagac cggacttaac 120  
cgaacagaaa accgggttcc acggtcttgc ggatacttct aacttcgatt gggctagttt 180  
tgccggtaat gttgagcata ataactcggc accggaactc ggaatgagtc atgttgttcc 240  
taatctogag tacaactgtg gctacctgaa gacggaggag gaagtcgaga gcagtcacgg 300  
gtttaataac tcaggcgagt tagctcaaaa gggttatggt gttgactcgt ttgggtattc 360  
ggggcaagtt ggtgggtttg ggtttaagtt atgatgaa 398

<210> 17062

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-052-Q1-E1-B4

<400> 17062

ctgttttagcc tncccgtaac cgtccaaaaa ttccanggt ccaccacgc gtccgccac 60

gcgtccgtac ggctgcgaga agacgacaga anggtacggc tgcgagaaga cgacanaagg 120  
gtacggctgc gagaagacga canaagggtta cggctgcgag aagacgacat aagggtacgg 180  
ctgcgagaag acgacanaag ggtacggctg cgagaagacg acanaagggt acggctgcga 240  
gaagacgaca taagggtacg gctgcgagaa gacgacataa gggtagcggt gcgagaagac 300  
gacanaaggg tacggctgcg agaagacgac atanngatac ggctgcgaga agacgacaga 360  
agggaatat atataacttt gtttatttga ttaaaaaann nccnctctaa aagntnnaac 420  
taacctanac anaaaaaag 439

<210> 17063  
<211> 392  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-B8

<400> 17063  
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ctaaagtatc gtttgatgga tactaccaa gagtttaagg atgttcttac catgagaacc 120  
gagaatatga aggtccatga aagtagaagg caactcttct cttcaaagtc ttcaaaagaa 180  
tcaacaaacc cattcggttcg ccagcgctct ttggctgcta aggctgctgc tagtgaatct 240  
gttctcttct catgggcaaa tgggtcttct tcatcttcat ctcaagttagt cccatggaag 300  
ccgggagagg gagaatcttc accattgttg cagcagagtn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnna tgggtccatt gcaagacaca ta 392

<210> 17064  
<211> 401  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-C1

<400> 17064  
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tataactggg aaggctatgc cgagcttata cagatggttc aaaagcacgg tctcaaactc 120

caggctcgta tgtcattcca tcaatgtgga ggaaacgtag gagactcttg cagtatcccc 180  
 ttgcctccat ggggtgcttga agagatcagc aagaaccctg atcttgtcta cacagacaaa 240  
 tctgggagaa ggaaccctga atatatctcc ttgggatgtg attctgtgcc tgtcctaaga 300  
 ggaagaacac ctatccaggt ctactcagat ttcatgaaga gcttccgtga acgatttgaa 360  
 ggctacatan ganggagtta ttgcggaaat tcaagttagg a 401

<210> 17065  
 <211> 365  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-052-Q1-E1-C11

<400> 17065

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 nnnnnnnnnn nnnnnnnnnn ncgttggaat tggctccacc ggaggctgag gtgggtgagg 120  
 taatggatgat ggctcctcca acgccgggga caccgggaac accgggagga ccgttgatca 180  
 cggggatgag agtggattca atgtcgtttg atcatcggaa accaacgcct cgatgcaaat 240  
 gcttgccggt gatgggatca acttggggtc aacatgacac atgcttcacc gattttccct 300  
 ctctgatgt ctccctcact cgcaagcttg gagccgagtt cgtgggaaca ttcactntga 360  
 tatte 365

<210> 17066  
 <211> 317  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-052-Q1-E1-C5

<400> 17066

gggcctcaga aggaacttgg gcaacttggg gtttttgctg agctgcaagc gctcttcctt 60  
 ggtctgcgca tttatgtaga tttgattgga cctgacgttc cacaacatat ggatggagaa 120  
 atgatctccc tttgcagata ttcccttgc atgggaaaag aatgtgaatg taaaaattca 180  
 agcaaaattc tcaattccgg gagcaaacct gctttgggtt cggctgtgtc attacagctc 240  
 cgtagagggt tttacatga tcgttacaat gacataacaa aggattcatt tcctccacac 300

atagtgattg ctccaaa

317

<210> 17067  
<211> 392  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-C7  
  
<400> 17067

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cgggatggag gaagagatgt cgaaccgtcg agtatcaaat cggactcgta aggtcgctac 120  
gaagatggcg gcggctctta caagcaacga caatcgaact caggctgcta tagctaggct 180  
agaggcttta gagaacgata atggtgctat tgaagtgata gatttgaacg atgatgaaga 240  
agcttctctt gatgaagatg atgatctcgg ttacttacag aagaagcaac acaaaggatc 300  
aaagcgtaaa actcgacaag cgaaagcttt agaagctcgt aaagctccta aatccttcct 360  
tgagctattg caagangcaa atttgagtc tt 392

<210> 17068  
<211> 372  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-C9  
  
<400> 17068

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aaggatcggt ggagaatata acggagatgg catcgaatct cgattcgcct cagaaacttc 120  
tcctcaaaaa agcagtcttc gttgaanaag acactttctc tagagcttct ctcgctctccg 180  
agcaagcccg aacaatcaag gttcttgagc aaagagtaca nacactanaa agagaactag 240  
atgctgccat tacagctgct gctcatgctc ggtctganaa acgccaagct gantcctctc 300  
aaaaggctgc tgaatcacgt gcccaagatg tcacaaaaga gcttgaaaac accacaaagg 360  
gtttcaanct gc 372

<210> 17069  
<211> 483  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-D1

<400> 17069

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cgctccgtacg gctgcgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn ccttttgaga tatggacagc ttctggcaat taggtgatga gctacgaggt 180
cagacgagag catcagagga tcacaaatgg taaactgttg caaagaagct tttcgaattg 240
gaatctaata atgctggcta ttacatgta atgtcgaaat tgtatggggg taaggagaa 300
tgggagaatg tggagaagtt gagaaattcg gtgaagcaga gaggaattaa gaaaggactg 360
gcagagagtt tgattgagat tagaagaaa gtacatagat ttgtggcgga tgatgaattg 420
catcctgaga aagaaccggt ttatggattg ctgaaagagc tggacttgca tatgaaagaa 480
gat 483
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<210> 17070  
<211> 386  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-D10

<400> 17070

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ccaaaaaat aaaagatttt tacattcgac gagaccgtga tcgaaacggc gatggttgac 60
cagagtcttc gccgtgttgt cgtggcgggc ctcctattgt ttgtggttct gtgcgatctt 120
tcgaattctg cgggagctgc gaattctgtg tcagctttcg ttcagaacgc catcttgtcc 180
aacaagattg tcattctctc caaatcctac tgcccgtatt gtttgcggtc gaaacgtata 240
ttcagccaac ttaaggaaga gccatttggt gtggagcttg atcagagaga ggacggagat 300
caaatccagt atgagctttt agaattcggt ggtcgctgta ctgtcccga agtttttgtt 360
aacggcaagc ataatggggg ntcaaa 386
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<210> 17071  
 <211> 389  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-052-Q1-E1-D12

<400> 17071

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 ccggagaagc taaacgtcgg tttcaacaaa tccaggaagc ctattctggt ttgaatgatg 180  
 agaataagag gtcaatgtac gatgttggac tatatgatcc tcatgaagat gatgacgatg 240  
 acttctgtga tttcatgcaa gagatgatcc caatgatgaa caatgtcaaa gacgcgggag 300  
 agagcttggg agacttgcaa cgaatgttca cggatatggg tgggtggagat ggcgtgagct 360  
 atgactgtna taataatcca caggggngg 389

<210> 17072  
 <211> 395  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-052-Q1-E1-D2

<400> 17072

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 atactagctg agattgatgc tgggtgtcct tctgctatga tgaagtactg gaatgataaa 120  
 gatgtgttgg caaagctggg tgaagcaatg ggtatagctg ttggagcana ccagactgtt 180  
 gcagctgaac ctgaagaggc cgaanaaggg gaagaggaag agtctattgt tcaccagacc 240  
 gctagtcttg gtgatgtcga gggtttgaaa gctgccttgg catctggtgg gaacaaagat 300  
 gaagaanact ctgaangaag gactgctttg cattttgcat gtggatacgg cnaagtnaaa 360  
 cttcccaagt tcttctggat tctggacaaa tgcaa 395

<210> 17073  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-050-Q1-E1-C3

<400> 17073

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cgaagaagac gacagaaggg gtacggggctg cgaagaaaga cgacagaagg ggtacggggct 120  
gcgaagaaga cgacagaagg ggtacgggctg ccgaagaaga cgacaagaag gggcgggggga 180  
agaagccgaa ggggttggtg ctcaaattggg gctgatcctt gaaatccaaa aatcaaagaa 240  
agccatccga aagcttgccc cttgttagac tgcaatttca atgggttgga agaagatctg 300  
gacccttgct ccattgggaa gttccttatg tcaaaagcaa accnacgaan ggcaaancgt 360  
tnagggattc nggggtttgg gaaaacacgg gtttgggtga agccgttggt ctc 413

<210> 17074  
<211> 423  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-050-Q1-E1-D10

<400> 17074

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attcctctgc agattantga aagcaaattcg gaagaagcag cgaatcagct tcagatggga 120  
gattcaacat ttctcgatag aatgcttctc cagcttcgct ccacttgcaa gtattacagc 180  
ggttacccta aggatctcgg gccatcgcg gttctccatt ttacatcaga aagagagttt 240  
gtccaactcc ttcaccaggg ctatcctgtg gttgtcgcat tcaccataag gagtaactac 300  
acacaacatc ttgaccggat gcttgaggaa gctgctgctg agttctatcc caacataaca 360  
atztatgcgt gttgagtgtt tcaagtatcc cggattctgc ntaacttcgc angaaaaatg 420  
gga 423

<210> 17075  
<211> 501  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-050-Q1-E1-D3

<400> 17075

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cnacagaagg gggccttcga aagcgccttt ctgatttctc cganagcgta ctccatgatt 120  
gattggttgt tttcaggtat ctgatctctc ttttatttcc tccttcagct tctcatccat 180  
tacaaaagac cagcatgtcg aagatcactt aagaaagaaa acgaagacta atggctttga 240  
gaaaagtctt gatcaagggtc caagttttgg atgagaagct gaaggaggaa ataaacagag 300  
agatcagatg caaaciaaagg atcacgcaag ccaatcacgc cgaagccggg aaagcaaaag 360  
tcaagatgat aaaaaccact gtttgtcaaa gaagaagggc aagttaagga naccctggga 420  
agaagccgan ggaacaaaaa acccaaagac aagaagcctg nccaaaggct aagcattcag 480  
tgttggtacc gaagtggtaa t 501

<210> 17076

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-050-Q1-E1-C2

<400> 17076

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attagcttat gcgaagaagt caggtgatgt gacaagagtt gcangattgg tgttaagtac 120  
aaagcctcaa gaaatgtgat ctccaaggct cacaaaaggg gggataaaga tcannggttc 180  
actatcgggg gaaaagttaa actggatggg aactggtctt tgattcaagg tttttganga 240  
agaaggttga cccctaaatt gaagttttga gcttgggaaa ctggtcaaag ttcgtcccca 300  
aaggaattng gggaaccaag ggggtttaat tggggaagct tngtgtaag ggtgaagaaa 360  
aganaaaaag ttngaaaaat tcccaatccc aaagnctttg ggttaatggg tgaatnaa 418

<210> 17077

<211> 405

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-050-Q1-E1-E10

<400> 17077

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attcgaagaa gtctcctcct ccttctccaa cgaatcccag atcaggcggc aagtaggcga 120  
atccttacga agaattctaa cttcatcatc aacgatagat actctagttt gattttcaaa 180  
gtagtagtgt aaaggaatca gaaatggcgg tgggagagaa ggagcacgaa ggaactgtgg 240  
ttgaaagcgg cggcgagaag aatgattccg ccgttgtact ctctgcttcc ggcgagaaga 300  
agacgacgaa gcgtaaaggt ttgttctcgc gtctttggaa tgcgatattt aggggtagag 360  
gtgatgattt cgaagaagag acttaaaaat atcccaaagg ganaa 405

<210> 17078

<211> 389

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-050-Q1-E1-E12

<400> 17078

caccgttccc atctcttcgt cttctcccggt ttccatctcc ttctgctgct ctcgggatcc 60  
ttctggatga ttcaacagtg ccaggcattt ggtttcatgg ttatatcttt ctctcaatct 120  
aacatagctg ttgcattgat aacagagttc tgtcctggtg ccacatactt cctgatgctc 180  
ggcaagatca accgcaggca atggaaactc acagaactcg catgttacia tcctcttggg 240  
gcaaatttct cctttatgac tatcgaaaat ctcacgttct atgggtctctt tgcacatcga 300  
gcatgctatc ggagcatgtg tgttcaagta gtgttcctca gcatgctttt tgggtaccat 360  
ancanccaca natctctaaa atccaaacc 389

<210> 17079

<211> 373

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-050-Q1-E1-G12

<400> 17079

accaaaaaaa aaaggagaag aagaccatcg ttgttctccg atggctatta acagaattgc 60

tcatggttct ctgtttctga cggtagtctt gttctttctg acggttaatt acggcgaagc 120  
tatatggttg acgattccga cgacgggtgg aacgaagtgt gtctccgagg agatacagag 180  
caacgtcgtc gttttggctg attactatgt cgtcgatgag cataatcctg aaaatacacc 240  
tgctgtttct tctaaggtaa catctccgta tgggaacaat cttcatcacc aagaaaatgt 300  
aacacatggt cagtttgcac tcacaactca agaagctggg aactacttgg cttgtttctg 360  
ggattgaatc cca 373

<210> 17080  
<211> 390  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-050-Q1-E1-H12  
<400> 17080

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ggaactttga tatttggtga ctcttgaaaa aagcaagctc tttcttcttc cttctttcgc 120  
ttttttcaca cctcaaaatc aaagatccga aacacgattt cggaggaagc ttcgattcta 180  
cctattttca gatctgaaat agttgtgttt gagaagcggg attggtgatc ggagctggaa 240  
tttggttggc aatcggaggt cagagagaag tcaacggata tgccggagga agaatcgata 300  
gatatcaaat tcaggttgta cgatggctcc cgatatcggg ccttttcggt attctgcngg 360  
ctttcnaact gttgactttt tgaaancaa 390

<210> 17081  
<211> 312  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-051-Q1-E1-B9  
<400> 17081

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ccggaaaagg aaatcaagag gaagaagatt acggagaaga agactttaac tctaaacgtg 120  
aaggtccttc ttccaacact actgttcata gcaacagaga ttcaaaggaa aatgataaag 180

ctagtgcgat acgttctaaa cattcgggtca ctgagcaacg tagaagaagc aaaatcaatg 240  
 aaaaganttc aagattattg agagactaat tcccaacagt gaacaaaaac gttgacactg 300  
 cttcattcct tt 312

<210> 17082  
 <211> 293  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-051-Q1-E1-C7

<400> 17082

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 nnnnnnnnnnn nngccattca cggcgatcct ctcaccaata aattgaagac cagaactccg 120  
 gtcccctccg tctccggcaa acgtcagaga aagctccttc gcaaattggcg cagagagcag 180  
 aaagatatgg tggagaaggg tcttgttact atggaagatg tggagatggc ttctgctcaa 240  
 gctgcatcag aagactccaa gaaatcccc agaaaattta gcgttaagaa gag 293

<210> 17083  
 <211> 307  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-051-Q1-E1-C9

<400> 17083

tccnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnna 60  
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 attccgcttg ccaagtctcc aaatcatgga accgcgccgt cttttactcc ctccgccgcc 180  
 ttaaaaccat gccgtggttg ttcgtctaca accaagagaa attctccgcc gtacaaccat 240  
 ggcgaacgat ggcgatggct tatgattccc aagttccgaa ggccttgat tcgagctcaa 300  
 caccggc 307

<210> 17084  
 <211> 314

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-051-Q1-E1-D8  
  
 <400> 17084  
  
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 tcgtcggaac agtcgtacaa ggcagctga tacctccggc gaggcgtgat ggatttttgt 120  
 atccaccggg tcagaaaatc gaccgggata cgatacttat ngaggccgtn tattggaccc 180  
 ggtttgtccc ggattgtaaa gacncttngg aancgntaaa agctagcnat tgatnactaa 240  
 tggntctcgc gnttgctctt tgttncntca accgtcattt cntttaccct tccatnagca 300  
 attgccattt tggt 314

<210> 17085  
 <211> 284  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-051-Q1-E1-E10  
  
 <400> 17085  
  
 gagccaacga gaagagaaaa agtatcttcc tttgagaagt gcaagtccat ggcagctctc 60  
 tgttgttgtc ccaccaccat catcgtctcc gggaagggtt cttcacggat taaaaccgca 120  
 ggcccattac cccgaatcaa cccttttaag aatcagaaac gattgattac agagagaaga 180  
 aacttgatcg ttaaatcgat cattgaagac agagaancaa tcgatgttaa aaacgacaat 240  
 ttcaangcaa gaggaagaac tatcagaaga tanagtagaa gata 284

<210> 17086  
 <211> 307  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-051-Q1-E1-F10  
  
 <400> 17086  
  
 aggagaaaag gtagtgccaa tattagccgg cgattcagat ggagacggtg gtcgataaag 60

atgttctgaa gtcttccggg gctgagcttc ttcccgaagg acgtcgaagt ttacgcatcc 120  
atgactggga gatcgaaacc ctccgcggca cgattctcac ttctctcgct gtcgaagagt 180  
gggaaaaaaaa gcttaagaca tctcacttac ctgaaatggt ttttggcgag aatgcattag 240  
tccttaaaca cttggggtag caacactaag attcatttta atgcgtttga cgcactanct 300  
ggttggg 307

<210> 17087  
<211> 266  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-051-Q1-E1-F2  
<400> 17087

ggtcgcagtg accaggcccc ggcgactgtt taccaaaaac acaggtctcc gcaaagtcgt 60  
aagaccatgt atgggggctg acgcctgccc agtgccggaa ggttaaggaa gttggtggcc 120  
tgatgacagg ggagccggcg accgaagccc cggatgaacgg cggccgtaac tataacggtc 180  
ctaaggtagc gaaattcctt gtcgggtaag ttccgacccg cacgaaaggc gtaacgatct 240  
gggcactgtc tcggagagag gctcgg 266

<210> 17088  
<211> 252  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-051-Q1-E1-F5  
<400> 17088

aacaaagaga ttagaaacta cggagagaaa gagagaagat atatagccat ggcaatgaag 60  
tcagtcttcta ccttgggcgt ttttgccatc ctctttttgg ttatcggtga aatgccagag 120  
ataaaagcgc anggtancaa gtgtctgaaa gaatatggcg gtaatgtggg tttcagctat 180  
tgtgcgccta ggatatttcc gtcattctgt tatcgggaac tgccgtaaga ataagggcgc 240  
gaaggggagt ag 252

<210> 17089  
<211> 309



<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-051-Q1-E1-H4  
  
 <400> 17089  
  
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnga ggactcaatg gactcagctc 120  
 agccctggaa aatcgatttc ttgagaaga agagtcttct tgttgctgc taaagccaca 180  
 acagagcaat caggtccagt aggaggagac aacgtcgata gcaatgtttt gccctattgt 240  
 agcatcaaca aaggctgaga agaaaacaat tgggtgaaatg gaacaagagt ttctccaagc 300  
 gttgcaatc 309

<210> 17090  
 <211> 307  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-051-Q1-E1-H5  
  
 <400> 17090  
  
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 acagatctac aaattttgag agacaagcca tgactaagggt gaaagatgag ccacgcgctt 120  
 ccgttgaagg tggatgtggt gttgccgacg gtgacggcgg cgcgggctga aatcgggcgg 180  
 taccggatct gttgaagaaa tcgattaacg aagttaggtc cacgggagat tcanaccgct 240  
 gagccaacgg ttcttccaaa atcaacttac tatttttctt tgggtggaag ntgttactgt 300  
 gtttgat 307

<210> 17091  
 <211> 352  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-052-Q1-E1-A12  
  
 <400> 17091

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catgcaagag aatggtagaa gaagaggagt tgcagtttca cgaggagtat atgaacgaaa 120  
gagatcctag catccttcac tttcttttag cttcaggaga tgatgtctct agtaagcagc 180  
ttcgtgatga cttgatgaca atgcttatag ccggacatga aacatcggcg gcagtattaa 240  
catggacott ttacctttta acaacggaac caagtgtagt tgccaaactt caagaagagg 300  
ttgattctgt aattggagat agattcccaa ccatacaaga tatgaaaaan ct 352

<210> 17092  
<211> 494  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-049-Q1-E1-B12

<400> 17092

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gtccgcccac gcgtccgtac ggctgcgaga agacgacaga aggggaagac aaatcgaatc 120  
agaggtcagc aacaactgaa acttcgattg gagatagcat tctattgatc gtagctctct 180  
gttttcactc tgtcttcgaa ggcatagcta ttggtatttc agagactaaa tcaagatgct 240  
tgagagctc tctggacaat aacactccat aagatatttg cagcgattgc aatggggata 300  
gctcttctcc gtatgatccc tgaccgtcct ttattctcct caatcactta ttctttcgca 360  
ttcgccatct cgagcccaat tgggtgttgcc atcgggatag tcatcgatgc aacgactcaa 420  
gggtccatcc gcngattgga tattcgcaat tgtccaataa ncntgggcgt gtgggggaaa 480  
ttgtgtatgg gtcc 494

<210> 17093  
<211> 413  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-049-Q1-E1-C1

<400> 17093

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aaagaggcag agatttgagc aggacgagag tgttgagaag ctaccagatg ctctgcttct 120  
 tctggagtca cccgacctcg ctcaggtgac tggcggagaa catgcttccg ttgttgacgc 180  
 tgcaatggct gananttgc ttaaggaaga gagacttgag tgggaatgct tcntctcttc 240  
 ctccgtcctc ccaagctacc aaganggaaa ttttgctca ttcaaaagaa ataatccctg 300  
 aaaacttttn ggggtaatgt tgcntggtgc ctctcaanc tcaaggggaa nggagcaatn 360  
 tttgcnaca aanggantna tgaaccangg cntttttgtg aaaaaaacgg.gan 413

<210> 17094  
 <211> 397  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-049-Q1-E1-C12

<400> 17094

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 gatcacattc gatcagcgag ctgatttctc acaagggata tcaaaatttc tgggtgaagtg 120  
 ggattgtaaa attcggcggt gaaagatata taaagagtgg aaggttcttg agtcgtttca 180  
 attcatggat gatggtactc ctaagaagct aaacatatta cctgatcact ttagtgctcc 240  
 tagtcccaca gcagaatctt ctcagcacga tactccatca tcttcgcagc caaaggacga 300  
 tagttctctg agagtaggcc ttatagccag tcacggactc gcagaaacct gaaaagagca 360  
 acaactatgt tgaatttggt cacaccctng gcctctg 397

<210> 17095  
 <211> 398  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-049-Q1-E1-A5

<400> 17095

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 gaggtaaaat tgtgatggag ctcgaagatc caacaatggc agattccacg attaagctaa 120  
 cagtcaaatt cggaggcaaa tcaataccac tttcggatc accagattgt acagtcaaag 180

atcttaagtc tcagttacaa ccaatcacca acgttcttcc tcgtggccag aagctcatct 240  
tcaaagggtt tggttgaaac gtcgactttg aaacaatctg atgtgggaag tggagctaaa 300  
ctcatgttaa tggcttctca aggtctgcat caaggggaag gtccaatact taangaagct 360  
agtataaggg caatcctcta gaactgttgt atctggat 398

<210> 17096  
<211> 388  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-049-Q1-E1-C3  
<400> 17096

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
ggtgccgatt ggggacctct ccctctgaaa actcaaattg aagatccaaa cgctcaacct 180  
caacctagtc aagaggattt tgatgctttt acttcaacaa aagttgcgga tctagctaaa 240  
ccgttgaagg agttagggtt tccttataag atccatatag tgaaagatca tgatatgaag 300  
agagagatta tgtcctgaag attgagaagg cttggctcta gtgctgtgat tatgggaant 360  
tacanggttt ggggtgctgag aaaaaaaaa 388

<210> 17097  
<211> 421  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-049-Q1-E1-C4  
<400> 17097

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agaagagata tggcgacaga gtcacgga tccgaagaag aaggaaagat tagtggagga 120  
aactataagc taatcataga cgacgatcta agagagatgg gtaaaaacgc agcttgagac 180  
gttagctctt gtaagcccgg caatggcgtc accactctcc gcgacgacaa tctcgagact 240  
tattggcaat cagatgggtt acaaccacat ttgattaaca ttcaattcca gaagaaagt 300  
aaaactgcag ttagtgggtt tgtacgttga ctttaagctt gatgagagct atacaccaag 360

taaaatctcc aatccgagct gggatgatggg tttcataacc ttaaaggaga attaaaaggt 420

g 421

<210> 17098

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-049-Q1-E1-C9

<400> 17098

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gcgctttgtg ctactactca aaggactatc cgtatagcgg cgacgctccg gcgtgttgct 120

cgacctttcg ctactgacgc ggtggttgag tcggattaca agcgtggtga gatcggttaag 180

gtctccggaa tcccagagga gcatctttct cgcaagggtga taatatactc acctgctaga 240

acagctaccc agtcaggatc tggaaaactc ggaaaatgga agattaactt cgtctccacc 300

ttaaagtagg agaatccgtt gatgggatgg acttctacag gtgacccta tgctaattgtt 360

ggggactctg ctctctgctt tgagtcncaa aaaaangcgc aaatctcttt ggcgg 415

<210> 17099

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-049-Q1-E1-D9

<400> 17099

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accgacgaga aaacctaat ttcagggatt agatagcttt ttgaaacaaa ttagagcaat 180

gaacacagag agagctcaag aaggatgatg gaacgatgcc gcatcttctt ctggctgctc 240

cgagtectac gagtttagcc acgcagccgc taaagctgca gtagctcang tctgcgagag 300

cgttgggtac gaagaatttc aaggatccag ctctcgaatc tctatctgga ttgcgactcc 360

agtacantct tcagctangt aaaaccgcta attcccttgc gaaacnaaaa ggg 413

<210> 17100  
 <211> 308  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-049-Q1-E1-F1

<400> 17100

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cgaactcttc cgcaagggtg gtgtatccgg tgggtggccgt gtgaccatgc gtcgtaccgt  180
caagtctact cctcaaagca tctggtacgg nccaagaccg tcccaagtac ttagggcncca  240
ttctccggng aaatacaccg tcctacctaa ccggagaata acccgngnga ctaagggtgg   300
gaaaccnc                                         308
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<210> 17101  
 <211> 377  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-049-Q1-E1-F10

<400> 17101

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tcagccggcg atcagagtca aacgaacgat taccagttaa agataaagaa aagcaaaagc   60
gttccaaacg cggatcgtgc ggcgtcaaga agctggagtt tcagcgatcc agaatcgcg   120
aggaagagaa gagtcgctgg ctacaaagtt tattccgttg aacagaagat ggagggatcc  180
attcgaaaga gttcaaagt gttcaaagac attatcggtg tttcttgata taccttctct  240
caactttctt aaaatctctt ctttgtgctg tgagagttaa atatatctgt aacgaacaaa  300
aaattgatag tattttcttt ctcttgcaac tatatgtaga agaagagtct ttgaactttg  360
aatgaggaca ngataat                                         377
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<210> 17102  
 <211> 52  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-049-Q1-E1-G4

<400> 17102

ctgttttacgc ctgcccgtac cggcccaaaa ttcccagaggt cnaccacgc gt 52

<210> 17103  
 <211> 310  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-049-Q1-E1-G9

<400> 17103

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 ataacaatgg acaaaagtgg gaaaatgaca atagttggag aagttgatgt accaagctgt 180  
 cgtgatgaag ctaagggaag ctatgtaaca cagagatcgt ttcaagtcga tgatgttaaa 240  
 ccacctgtta aaaagcctgn acctgagaaa cangctgaaa ccattgcana gcccgttccg 300  
 agagnaactt 310

<210> 17104  
 <211> 246  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-049-Q1-E1-H9

<400> 17104

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 aagaagagat ccacgtctct ggttctcgct agaccgatgg ctcttacaag gtgacgtttg 120  
 gagtgttggt caatgacgat cgatgtgcca acatctttga agcattgggt gggactctga 180  
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 tttcca 246

<210> 17105

<211> 248  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-050-Q1-E1-A1  
  
 <400> 17105  
  
 ccattttcttg gcttacaaca acaaattctta aacgtttttac tttgtgctgc actactcaac 60  
 ctcaatggcc gcctcaacaa tggctctctc ctccccctgcc ttcgccggta aggccgtcaa 120  
 gctttccccc gcggcatctg aagtccttgg nagcgggccgt gtgacaatna tgaanactgt 180  
 tgccaancca aangggccca atcaaggcag cccatnggta cggatncgaa ccgtgttaag 240  
 tacttttg 248

<210> 17106  
 <211> 416  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-050-Q1-E1-A3  
  
 <400> 17106  
  
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 tgttggaattt ttgcttctgc ttaccattct aacattagct tatgcgaaga agtcagggtga 120  
 tgtgacagag ttgcagattg gtgttaagta caagcctcag aaatgtgatc tccagggtca 180  
 caaaggggat aagatcaagg ttcactatcg gggaaagtta actgatggaa ctgtctttga 240  
 ttcaaagttt tgagagangt gaccctantg agtttgagcc ttggaactgg tcaagtcatc 300  
 ccaaggatgg gaacaagggt taattgggaa gcttgtgtta ggtgagaaga gaaaagttga 360  
 aaatcccatc caanncttgg ntatggtgat aacggnctac caccaaaaat ccccg 416

<210> 17107  
 <211> 390  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-050-Q1-E1-B11  
  
 <400> 17107



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ctcaagatgt gtgcaattat acaatggcaa gtcttttctt cctaaatagc gccgtgtcat 120  
gagaagcgcc actacagcaa aaatgtcttc tagtacagcc gaagttcaat taccgcgaga 180  
gaaggggggtt ggtaaaatgg atcaaaaggt tagtcaagag ggaatgccac atctcgagac 240  
agcaaaacca actaaggatt cagctatgga acaaacagtt gaagctgaag atgtagctat 300  
gaatccaata gttgaaaaag ctatgagtga aatggtggaa gctgaagggtg cagctattaa 360  
tccaatagtt gaanctgaaa atggggctct 390

<210> 17108  
<211> 415  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-050-Q1-E1-B3  
<400> 17108

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caagtatcat gtgggacagc tcatgttgtg gccttatcag aggaaggcct tcttcaagct 120  
tggggctata atgaacaagg ccaacttggg agaggagtca cttgtgaagg actacaagca 180  
cctcgtgtga taaatgctta tgcgaagttc cttgatgaag caccgcagct tgtgaagatt 240  
atgcaacttt catgtggaga ataccatact gctgctcttt ctgatgcaag cgaagtttac 300  
acttggggat taggaagcat gggccaactt gggcatgttt ctcttcaatc cggggataag 360  
gagttaatac caaggagaat cnttgggtctc cnatgggtgtg tccatgaaaa gaant 415

<210> 17109  
<211> 372  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-050-Q1-E1-C10  
<400> 17109

aaccaaaaaa aaacacctcc gatctcggcg agagaaagag aaacgatctg tgagagagaa 60  
tggatcagat cttgaacaag gtangctcgt actgggttagg taagaaggcg aacaagcagc 120

tcgattccgt cggtgacgat atcaactctt tgtcttcgag catcgaagga ggaacaaaat 180  
 gggttggtgaa caaaatcaaa ggaaaaatgc agaagccatt gcccgagtta ctaaaggagt 240  
 ttggtttgcc tgtggggatc tttccacgtg atgcaaccaa ctacgagttc aatgaacaag 300  
 acgangaagt taactgtctt tattccatca atctgcgaaa gttggttaca aagatacatc 360  
 agtcttgnga tt 372

<210> 17110  
 <211> 80  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-050-Q1-E1-C12  
 <400> 17110

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 taccgcgctaa aaatttccaa 80

<210> 17111  
 <211> 450  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-046-Q1-E1-E2  
 <400> 17111

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 tgatgctatc ttcggtgaca ttgaaaccaa gctgggttca cgggtgganaa nacggcggct 120  
 anaggattac cgtcgctcac aagagctcgt cctccttca aaattgtcgc cagtggcgtc 180  
 aagaagatna agaccgacaa acccttcgga attaacnggc agcatggact ttnggggacg 240  
 gcgtnacgc ctccnggcaa aaaaggcaaa ggaatacggg gtttacaagt nacttcgaca 300  
 antntgganc cnaacctnca anggattcan tcttaattac aaccaagaac caattggtca 360  
 accaattgtt aacctttttn aagggaagga ntcccccgaa tttgnaaaat ttgggccnng 420  
 taaccccccc cggaattcct ngccggaagt 450

<210> 17112  
<211> 497  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-E3

<400> 17112

tggtccctgg ccgtnccggt cgggattcan gggtcgacca cgcgtccgcc cacgcgtccg 60  
cccacgcgtc cgcccacgcg tccgtacggc tgcgaaaaga cgacagaagg ggttcacaga 120  
gatttgaaac cggaaaaaca ttcttatggc cacaatgtct tcttcgtctc ctatcaaatt 180  
ggctgatttt ggactggcaa cctatataaa gcctggcgaa aagctgagcg gaacagttgg 240  
taagtccgtt ttatataacc ccggaagtgt tagcaggggg atataaccaa gctgctgatg 300  
gctgccgatt tgagattttc tgcagagcca tggggacaat ataacttcat acgccaagga 360  
tttgattcgc nggatgcttt gtgtggatcc ttccaaaggc tatcagctga cgaagttcta 420  
actcactctt gggttggagc anttatctga aatcaaggc cagaaacata atgatnaagg 480  
atgggttttg gttgtna 497

<210> 17113  
<211> 378  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-E4

<400> 17113

gtccgagtag tcacttaacc ggagatcgga gactcatcgt tgcaacaaca acaaatttca 60  
agaagatccg aagacgaaac gatgcctata agtgcgacaa tggtcggagc tttgctgggt 120  
ctcggtagcc agatgtactc caacgccctc cgcaagctcc cttatatcgt catccntggn 180  
acangtgggtg ggtatgggac ttggtgctgt gtttgcgaaa ccacctccgt gnaaatggga 240  
tggtgaacct tanggaantt cttgatgtga tgnctcncct aaggctaaan cctgctaaat 300  
taaccgccnn ttacttngat aaacattcgg gattaaattt tgcgtggatc tttgaagtcc 360  
tccagaaaaa naaatacc 378

<210> 17114  
<211> 401  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-E5

<400> 17114

agtagagatt gataaaaaaa aaatgagtag ctccgattct cctcagcttc acaatatctt 60  
cgtctatggg agctttcaag agcctgacat catccatgtc atgcttaatc gtattcctga 120  
gattgtctct gcaacacttc ctggctttaa gagatttagg cttaaaggac gtttgtatcc 180  
atgtattatc ccctctgaga atggagaagt tcatggaaan gtactaatgg gattgactaa 240  
tgatgaactt gagaatgttn attgggttga angaaacgan tatganagaa ntgtttgttg 300  
aagttgtaag anaagacaan ttctgaagaa gatganantt ggaaacatat ccatggatna 360  
cccaagaatg atncctgata ttgggtgaaa aatgggaatt t 401

<210> 17115  
<211> 407  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-D8

<400> 17115

cggacgagga gaggaagatg aatcttgaga gagacacgtg tcctggtttt atatcggacg 60  
gtttagggag agtcatttgg acgaacggtt cttacagaca gttggtggtt gggaaagatc 120  
atgagcagtg tggttaagatg agtgtgtggc ttgtgatgaa ggagaagcct ttggtaacgt 180  
accggacttt tacgtgtaca atgagattgc agtacacgtg tcgtgataag gaggtgagtt 240  
cgattacttc gttctgtgat gtttgganga tgagtgcggtg tggctttgctg tggcggcntg 300  
atgttgatgc tgcactttgc cttggacggt gaggattggg ccgttggtt anagatnatg 360  
ttaggattga tgagatgacg atatttaata acggcatgca aggttan 407

<210> 17116  
<211> 444  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-E6

<400> 17116

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tagttctcga ccaagaaaag aaaaggggggt gacctgagtt cttcaacaca taacataatg 120  
gccggagtct tcaaaacggt tacgtttctt gttttgggtt tcgctgccgt tgttgctctc 180  
gccgaggact acgatgtttg gtgatgatac ggaatgggac gaagaactat gggacccgan 240  
ttccaatact actnggctac cggtaaaact ttccgttgta ngcgaccaac tcnaattttg 300  
attcccctgc tggggaagcc tgattgttgg cagttgtttc aagaannctg caatttnaaa 360  
aactgtnang aaagaagaaa cccaattaac cantcctccc antgcccggt ngggaacnca 420  
acanccttnc agggcttaac cggg 444

<210> 17117

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-046-Q1-E1-E8

<400> 17117

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cgtcaccttc aaccgccgga gccgccgag ggaaggctca tcateccgccg tggcaatttt 120  
ttgaggtgta caaagcattg cctatttgac gaaccaggaa atgggttaaaa ggcatggaga 180  
gttttgattt acaagatata tcatgtcgca gtgcatagac ggtttcaagc atgtatgctc 240  
ctcttttttc cgggtgttttg atatccgata ttacaaaac aatctggagg ccttggtgac 300  
cctgaacttc cttgcgaaga gagacagttt ttaagcgttg aggtgaaata naagctctcc 360  
aangagctgt ttaagaaaat caanaatgnc tgttaattga tgatggggct aant 414

<210> 17118

<211> 391

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-046-Q1-E1-F11

<400> 17118

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cttgagagga agatcatgat cctagctgtg ttgttcgcca attccgttgg gaatgtttta 120  
atcgaaaggt tcaatggagt accagctgaa ggaacggctc cactgggcga tctttccttg 180  
gttaaagttg ggaacaagat aaatctcaaa aggcgttaaa aatgaggagc ttctccgttg 240  
cttgccacaa gtcggtttat atcgtgtaca caatgctaag ggatgttaag catcttcctt 300  
gttgcaaaa gacgagtatg atgaactttc ctttgcaaaa aaccatccta taticataaca 360  
gcggctgtta aaagacctta tgtgggaaaa n 391

<210> 17119

<211> 469

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-046-Q1-E1-F2

<400> 17119

aacggataaa ataatttgct cggcttcctc agctccaatg gcggcgacga tgatcggaat 60  
taacctctcc tgcttcaaat caacatcggt cttctcaccg gacctcaatt ctctccaatc 120  
aaagctctct ctctatctc tcaaaccctc tccaacacag ccacggaaat caacagtcatt 180  
ccgtatgggc ggtgggtccga gaactttccc cggcggtgta tcaaaaatgg caatggaaaa 240  
ggatgcaagc gaaagaaaca agaaacagcc ttctcaaaag caanggttat gcaagaaaaa 300  
cgtcagggttc taacgaagat tgcgaaaaaa cgcncgccgaa nttaaaaacc cgccggggttg 360  
gnttaaacct angaaacgaa ccaatgggaa accgatttca taaaccancc gaatctaatt 420  
cccaatttng tgctgatga ncnantttaa agttcccccc gggttttcgg 469

<210> 17120

<211> 382

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-046-Q1-E1-F6

<400> 17120

tctgggatct gatggagggg tgaagctata ctggggcata gctgctgatg gatcatgtta 60

gtccagctgc taaggagggt ctcgagggtt ggttgagcgc gtgtgtgaag gaagaagaag 120

agaagattgt ggttggggaa gaagagagaa tggagttgga gagaagagat aaaagcttta 180

gaangaagag catagaggac gatttggatt tgcagtttcc gagaatgttt ggtgaagaag 240

tttcctcccg tggtgtacac gctattaaag aagctttcgg tggttctctaa attatgtaac 300

tatatatata catcagttaa tggtcattgt actaaacatt tactttcatc aatgtcacia 360

gaacgcaaag atgancatca aa 382

<210> 17121

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-046-Q1-E1-F7

<400> 17121

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ccttataccc tagtttcgca atttcattct cattttctcc gctcttcac tctttcgatc 120

aaccaattta cgacatggat gaggttgctc ttgaagtgga gaagacgaag agagaatggg 180

aagaagcgta cgagaagacg attggacata ttatctcgat tcaacagtac ggtaaataca 240

ggaggggaga tggaggagaa gagaagtttt cgttacagag gctcaacggg attgggctca 300

ggatcgtctc tctcttctca attcccttca attcaatttg gatctgctcg caactccgct 360

tccttcnga tgatcaaggt caatccactc antcactccc ttgaaacggt ggaagaatca 420

atatcacang ttt 433

<210> 17122

<211> 384

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-046-Q1-E1-F8

<400> 17122

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gaggaaaggc tcctaggaag cagcttgcta caaanctgc acgtaagtct gcaccaacca 180  
ctggangagt caagaagccc catcgttacc gtccaaggan ctgttgact acgtnaaatt 240  
cctaagtaca gaagagtacc gagttgctga tnaggaagct ccctttccaa aagctanttc 300  
ntgaagattc ccangatttc aangactgac ttgcgtttcc cagaaccatg ctgtgccttg 360  
caactccaag gaaggctgcc tgaa 384

<210> 17123  
<211> 427  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-G12  
<400> 17123

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ctctcttcct cctcctcaat ttcacgatcg ccaccatttt catcaccaac cggttcagtt 120  
cctgttcaag aaaacacaa cgcacgagac taaccgggtc gaccgatcg acaaggatcc 180  
cggaggatga cgtcacgacc gaacctagat tcggagctcc atcactcttg catgcgggtg 240  
aatccataa agcttccttc tttatacaag atccgacca gatccaacac canaagtga 300  
aacacatacg aggacganat cggagtcgag taaancggcg acgaagaagn agaagnangc 360  
tacaagaan gatgatgaaa tctgctagcc gagagacaca tcggccggga agaagangag 420  
acagttg 427

<210> 17124  
<211> 422  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-G4  
<400> 17124

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tgggacactc ctctacaagc tgagaatatt ctcaaggatt ttgtcaagtt caatgaatcc 120  
 cgcttaagag agttacggtg caaagtccat gacccatcgc tgcttggaga ggggtgcgggt 180  
 gttggatact tgaaaggagc aagatgctat gcctattccc cgaggattca actctgtatg 240  
 accttgtgca aatgggaatt aagancactc atgcagctgt taatgtcntt gtgcgacttt 300  
 agaaaaagaa ctncantttt gtnaaaaatg tnncaatggt gattgtatcc attaatan 360  
 canttgggtt aaattcancc gagtttgaan aaccccgtag aaccgggttc ctggccgaac 420  
 ta 422

<210> 17125  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-046-Q1-E1-G7  
 <400> 17125

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 cggaatcatc ggtgggatgc tctgtatcat gggcaattct cagtactaca tccacaaagc 120  
 ttatcatggc cgtcctaagc acatcggcca cgatgaatgg gatgttgcta tggaaagacg 180  
 cgacaagaaa gtcgtcgaga aagctgcagc tccttctca tgattcgctt tatctctttt 240  
 gtgttcctcc ggggcttaag gtgaccactt gtggcgacaa ataaagtgc ttcagaaga 300  
 anaagaanct gggggatnta ntactttcat tcccatttga ttttccttgg acatattaaa 360  
 gctttcagaa atcaagacct caataacatt tggtttaatc natatttctt ccaattccgt 420  
 gataatttgt an 432

<210> 17126  
 <211> 397  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-046-Q1-E1-G9  
 <400> 17126

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aatcttcaac aacgactgtc ggtggaattg ccggcggtag cggttgtaac ggaggaggtg 120  
 gtggaagtgg cagtggaagc ggcggctcct ttgggaatca gccgaggaga tcaaaggtga 180  
 ggaagcaagt gtgggctgga gtactcggca tctcatccga ctccaccaac aattaatagt 240  
 ttcttctttc tttctctttt cacctaagaa atcatgtgta gtgaaaaatg gtggtggtaa 300  
 ttactatgct tgatcatcgt ttcattgttaa ctgtgtctaa atancaagca aganatatat 360  
 tanaccanca ccatcgtcat tgttatnaga ttatatg 397

<210> 17127  
 <211> 402  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-046-Q1-E1-A11

<400> 17127  
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 ggaccgggaa gtgtgggttaa gtgtcactta aaatatgaga ggattgacga gaaggtggct 120  
 cctccggaga agctgctcga gttgtttgcc aagctaaccg aatcaatgga cgaaatgctt 180  
 ttgtccgaag tctagaggat tccttgann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaatgtgc tttctctatg aagagatctg 300  
 aactgcaagt attgcagagt ttgtgttacg tatgtttgaa gtttttaatt aagttgcaaa 360  
 ttataacaaa naanaaaaaa nnnnnnnana aaaaaaaaaa nc 402

<210> 17128  
 <211> 431  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-046-Q1-E1-A2  
 <400> 17128

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 tgtcttgatg ttggaggcga cgccggaggc tgccaggccc tgggctagtg cggcgaatgc 120  
 agaagttatc gatgcgcttc cttatataga cgacgactat ggcaatccat tgattaagtc 180

ggaggtagac cgtttggtgg angaagagct gcgtcggagc tctaagaagc caactgactt 240  
tctaaangac ttgcctcctc ttccgaagtt cgattttaag aactgctccg ttcttggcaa 300  
agagtatgan cgtgttagag ctgggaaacc ctctgtgcc ggatanaatt tcnatcccg 360  
atacaaactt gaaatgccnc ctgccaataa anaaggaatg atgaatgctg ccttggaaac 420  
cantatcctt c 431

<210> 17129  
<211> 448  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-A4  
<400> 17129

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tttctccaat ccttcatatg atgtcggacg gaggagcacc gtcgaagata cgtgaagttg 120  
acgaaggaac aaagctccg tcatgaaga ttcattcccg gtgaaactca aatcagccca 180  
ttingaagttt cctcaatcct agctgttcac aaatgcaatg agtgtggcca aactttggcc 240  
tgaanaattt tgaagctcct gctgatnanc cctgggacta accggaatat tccggntnnc 300  
actgagggga catgaaatan nttttgggct gggaacnttt tccggcccaa ggtgttcna 360  
ttttggacct tgttcgatnn aaaactcccg aaatnaacnn anggaaacct ncgttgggaa 420  
naaaagncat ggtcctttgc ccantccc 448

<210> 17130  
<211> 345  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-A6  
<400> 17130

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catcacggat atgcanaaga aaatcanggt gtatgacaca gagaagcaga taatgaanag 120  
gagggagagt aatcagataa ctccagcaga ggttgattat caacagacgc atgatnatgc 180

agttgtaacg ctaagctgtc cgttggaac tcanccagtt tcaaangtga taaaaacgtt 240  
gaggganaat gaagttatgc ctcatgattc caacgtggcc atcacanagg acggtgtggt 300  
tcacacattc actctccggg cctcagggtg gctgcaccgc tganc 345

<210> 17131  
<211> 484  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-A1  
<400> 17131

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aaaaggaaaa atggatatgt ccgcttgctg tatccaacgg caccaaata gtaaggacga 120  
ttatcccctg ccacganggc ggtcccaagt ttcacaaacc taaagctaaa gaaaagtcaa 180  
gcccggcgaa ataagccggn caacgatgtc gacaaagcgg tttctccggc gggaacgaca 240  
aaaggagttg acttggaag tgcgttagaa agttgtggaa ncntgctgta agaatgcaaa 300  
anggaactttt cctttgcaac acctgacgaa atcttccaca acccctgnat gaatgtttaa 360  
nctgttatcc aaagcaagaa tcggagatna ttgggatngt ntccaaaact accnaccaaa 420  
gcctacacgc caaatggcnc caatttaagc ccggtncgtc ccaaaaattt ttgtccgggg 480  
ttna 484

<210> 17132  
<211> 411  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-A8  
<400> 17132

ggacagtcct tttgggaacg ctgcgcttct tgctgacgtg ggtaggtacg aaacaatgcg 60  
atcccttttg atgtcgtctt gtgaagtaac actcgggtggc tgcaagaggc tcgcgagaa 120  
ttcgccacgg cttaacgtag agatcatcaa cgagaatgag aataatggga tggaacagaa 180  
tgaagaagat gaaagagaga aggttgataa actttacctc taccgaacag tggttgggac 240

tagaaaagat gcaccaccat atgttaggat tcttttagtct ctttgcacct tcatgtgttt 300  
tcaaactttt ctttgtacta agtttttgcc ttttatcaaa cttggaacaa atacaaatgt 360  
cgcattttan tatcacccgt aattcancca tttgaaaaac ataagtttan g 411

<210> 17133  
<211> 419  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-A9  
<400> 17133

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tgacttgccct cttcgaagca acctgattct gtggtctgaa tcttttcaag ggaagagaag 120  
ataagctaaa caagagaatg gtgacangtt gtgttgatct tcatcaatct ttcaaactctg 180  
cagattcatc ttctgtgcc aattcctntc ctcttccatc aaaatctgat ggactcaaga 240  
aaaaacttgg gcatagcanc gtttcgacag ccacaagaga tatgtgggat ctentttcaa 300  
tgacgggata canagctgat gtantcatct atacagaata atggcaanta tcatctatct 360  
caagccaaca tccttgaaa tgcctccact gtgatcaaag ggcatnttga aaccaaccc 419

<210> 17134  
<211> 392  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-B11  
<400> 17134

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngtcaaa tgatctcatt 360

ccaaaaaaaa nannnnnnnn naaaaaaaaa ag

392

<210> 17135  
<211> 415  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-046-Q1-E1-B12  
  
<400> 17135

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ttcatctcca caaatccgac gtcgcttctc accctgctcc tcctcctgct cttgtgttag 120  
caccaagaat aggatatttg cctctgttga ttctctttat aaagccttat ttcaaggatt 180  
cacttcctcc tggatgaagat tcaatttggg ttgattacaa aggatttcct ctaaaatggg 240  
atataccaac aggtgttctt ttgatctcc tttgtgcaag aaccgaaag accatggaat 300  
ctcagcgtac acttttagagg atatccttgc aacatactga taccatgtga aggagaagat 360  
tctgtaaaat ggaactttgt taattccttg aaagaagcac aatatatcat caatg 415

<210> 17136  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-B8  
  
<400> 17136

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gatgaagaga cctcgacctc catctcaagc tgcgatctc ttccaccgtc aaaccaccac 120  
tgtctccgcc ggacacaccg attctcaaac agaagctaca cagaacagga acacctaaat 180  
ggttcccgtt aaaactaacc cacacggagc tgacgttgcc gttactttt ccgacgggtc 240  
aaacattccg gtggaagaaa actggagcga ttcagtatag cnggaacgat tgggcctcac 300  
ttagtctctc ttanacaacg tcgaggagac nacgcagttt cctactgcgt ccattgtncg 360  
cacnngcccn aantcngcg gagcttgctt tgggtccatt ttctcaatgc ctgaaatt 418

<210> 17137  
<211> 426

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-046-Q1-E1-C1  
 <400> 17137

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 aaaaagacta gcagacagga agattgagaa attcgacaag aacgtattga aaagaggatt 120  
 tgttcctgag accaccacca agaagggtaa ggattaccct gttgggtcca tctcctcgg 180  
 cttctttgtc tttgttgtca ttggatcatc tctcttcag atnatcagga ccgcaactaa 240  
 gtggaggaat gggcttaaac ccaatcacat tcaagctggg aaaaattgca aattctcaaa 300  
 ttgatgaatc aacactttcc tccncctcct gactttgncc cttttttccc ctaanaccng 360  
 tagaaatgtg acaacntccg gttgnccaac atgggttaant gaaaagaaat tttttganc 420  
 cctttt 426

<210> 17138  
 <211> 423  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-046-Q1-E1-C2  
 <400> 17138

acacataaaa aaatgagtca acacaacatc ttagaagctc taaatgtcca ggtcgtgggt 60  
 acgggtgatc ggatcctgtt ttggcccat ggattcggta ctgaccaatc agcttggcac 120  
 ttgatccttc cttacttcac tcaaaactac agagtcgtcc tctatgacct agtttgcgcc 180  
 ggcagtgtca accccgatta cttcgatttc aatcggtaca caactctcga tnccttacgtc 240  
 gatgatcttc tcaacatcgt tgattcactc ggaatccaaa actgtgctta cgttgggtcac 300  
 tccgtttccc gctatgatng ggaatcatcg cttcgattcg tcggccggag ctttctccaa 360  
 gcctancctt gatcgggatt tcnccttaag gttctcaang aacgaangat tatcaaggga 420  
 agg 423

<210> 17139  
 <211> 363

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-046-Q1-E1-C4

<400> 17139

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ttgaggtttt tctcttcccc tgaatcgctg tgctcgttgt gagagagtga gagatgtgtc   60
ctcgagctac tcaaacatgc gaaatctgcg agaaggttgt atccaaatac aagtgtcctt  120
cttgtcttgt tcttactgct tcattggggt gtttcangat acacaaagag actccatggt  180
gctaaaccgt ctgatcttct tcaacccgaa gaaaaagcca gcttctccaa gcaanaggga  240
agtcccggtt gaaaaaagac ctgttggaac cctaaatnga tgtttgtnan agaaggacac  300
agcaaaaaag gctanttgcc tngcaatctc caaccgaaag gaaaattccg gtaagcaaag  360
nac                                                                    363
  
```

<210> 17140  
 <211> 443  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-046-Q1-E1-C5

<400> 17140

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agataaagaa agttggaaaa tggcaaaccg tagaagagta gtgatcgaga accagagatt   60
gtcaccttta atcaacctac tgaagaagcc tcaagcgatt cctctgcttc tctcgttgtt  120
cctcttgctc acatggatct cctcaggtt acaacactct tcacaatcac acgtctcttc  180
gtcctcttca catecgaaat cgacggtaaa tagtcatccc gatttgaaag tttacgacga  240
cgacgataag gctaatttgg tccgggtcgg tttggcgctg ctttctcttg ctcggaagaa  300
cgaaccgtng ttggttgctt gattccgtta acccttgctt ccgtgaatc tgancctcaa  360
aaggttggan ccnaatcct gttgtttcca atcaatggtt gggtgaaata acgggccttg  420
nttgaattga aggggaaaac can                                                                    443
  
```

<210> 17141  
 <211> 530  
 <212> DNA  
 <213> Arabidopsis thaliana



<223> unsure at all n locations  
<223> Clone ID: LIB35-046-Q1-E1-C7

<400> 17141

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ccgcccacgc gtccgtacgg ctgcgagaan acgacanaag ggtacggctg cgacaagacg 120  
acagaagggt acggctgcga gaagacgaca gaagggtang gctgcgaaga agacgacaga 180  
agggtacggc tgtgagaaga cgacagaagg gtgtccaaaa aaaaaaangn nnacanaaaa 240  
anaaaaagcg gccgctctag aggatccaag cttacgtacg cgtgcatgcn acgtcatanc 300  
tcttctatag tgtcacctaa nttcaattca ctggccgctg ttttacaacg tcgtgactgg 360  
ggaaaaccct ggcgttacct aacttaatcg ccttgcaaca catccccctt tcgccaagct 420  
ggcggttata acgaaanaag gcccgccaccg gattgncctt tccnaaacna atttccccaa 480  
ccctgaaatg gccnaattgg gancccgctt tggtanccgc gcaattaatc 530

<210> 17142

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-046-Q1-E1-D7

<400> 17142

cgtcttcaat tggcatctga agaagaagaa gaagaagaaa ggagccatgg caatgttttag 60  
atctatctcc atggtaatgc tgctcgctgc actaagttac attcatttct atggtttctt 120  
ctgctgcttc gtccccagaa gccgactttg ttaagaagac tatctcttcc cataagatcg 180  
tcattttctc caaatcctac tgcccctact gcaagaaagc taaatcagtg ttcagagagc 240  
tggatcaagt tccttatgtt gtcgagcttg atgaaagaga ngatgggttg agcatccaga 300  
ctgcacttgg agagattgtt ggaaggcgan cagtaccnca agtcctcatt ancggaaaac 360  
atctccggag gattaagntn aaaccngtag atgcgtatga ga 402

<210> 17143

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-045-Q1-E1-A11

<400> 17143

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atgagcgctc ttcactctta gcaaccacga gcacaagaaa atatgagcga ccctagcggc 60
caatcttcaa caacgactgt cgggtggaatt gccggcggta gcggttgtaa cggaggaggt 120
ggtggaagtg gcagtggaag cggcggctcc tttggaatc agccgaggag atcaaaggtg 180
aggaagcaag tgtgggctgg agtactcggc atctcatccg actccaccaa caattaatag 240
tttcttcttt ctttctcttt tcacctaaga aaatcatgtg tagtgaaaaa tgggtggtggt 300
aattactatg cttgatcatc gtttcatgtt aactgtgtct aaataacaag caaagaaata 360
tattagacca ccaccatcgt cantgttatg agattatatg aaanttat 408
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<210> 17144

<211> 77

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-045-Q1-E1-A3

<400> 17144

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gacctttaaa ccatgtaata ttgtcgtggt tcctttgtcc agttctcccg agggaaacga 60
ttttggttac ttgtgca 77
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<210> 17145

<211> 212

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-045-Q1-E1-A7

<400> 17145

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acttgaatgt gtatgtttgt tatgtataag aagaatacag aagaaatgtt tttacnttgg 120
agtcttgatan gtggatatgt tgttgtnata ttggagatgt ggcttaagga attgtaactg 180
aanaaaagaa ncaatgaaaa aaaanannaa ag 212
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<210> 17146  
 <211> 428  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-045-Q1-E1-A8

<400> 17146  
  
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 aaccggaacc gaaacagtcc gctcaaccan ggtctcttat ctccgccaga cagcgaggag 120  
 agagactcct aagaagctgg ggaggtggaa ccggctggat agtggaagat gcaaaggaca 180  
 aaatctcgaa actcctagaa gaataccaan caggatgagt aacatcagaa gcttgtcaat 240  
 gtatccgcga tntaagggat gccttttttc aaccacgaag tagtgaagaa agctttggtg 300  
 annggcaatg ganaagcaga atgatcggtt actgnatctg ctttangagt gtttttgtga 360  
 aangattgan tncaactaan ccanmntgac cnaaaggggt tgggccgctg ttaaccaaca 420  
 gcctcnat 428

<210> 17147  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-044-Q1-E1-H6

<400> 17147  
  
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 cggcgtcacg tttatcgtcg ttctcgtctc cctctacttc agatcttcct tcaagtctcc 120  
 acaacaccaa tatcaanaga ggttatttct gctgaggaat tgggcattgt ataatggtac 180  
 tgatgaaaca ttacctatac tcttagggat tcttgatct gtgttcgatg tgacgaaagg 240  
 aaaatttcat tacggtagtg ganganggta caaccatttt gctgggaaga gacgcttctc 300  
 gtgcatttgt ttccgggcaa ctttacaagg agatggactt acaagattcg ntacaaaggg 360  
 gttaatctag cantgaggtg aanaagcant gttgactggc caaggttcn actccaaga 419

<210> 17148  
 <211> 52

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-045-Q1-E1-B1  
 <400> 17148  
 ataactctgt ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn ng 52

<210> 17149  
 <211> 431  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-045-Q1-E1-B2  
 <400> 17149  
 gccgaanacg aatangaaga ttaattgagg agaaatcgan gatgtctata gcgttagtgg 60  
 agaagattca agccaaattt tgaagaagtc tagtagattc tgtattgtaa gctactaaan 120  
 tctgcgatgg tgaggcattt caatcgtcgc cggaaaattc atcggagata ttaaaattga 180  
 atcaagcttc gaattggtca accgatchat attgagtgat ccacaggacg aanccgagat 240  
 gtatgtggtt tacgcaaaca gaaccgagga tgacattctt gtnagnggaa gaactagaac 300  
 ggatgggcta gtangcatta angannggct aaagattttg ggtacctcgt tgaaatccca 360  
 nanggaaagg ttgganttac aataccgggn ttataactg aatcctgtgc ctagggaaac 420  
 atatccctga a 431

<210> 17150  
 <211> 403  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-045-Q1-E1-B5  
 <400> 17150  
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 tctatgcaga aatcaggagg ttctgtctgc gtctgtaagg cttcttccgg ttgggcgaca 120  
 aaccacagga ttcggagctg cgaagaaagt cttatatana tttgagggac atagattgtc 180

atcatcagta gaaaagggag agaaacagag aatgagatgt agagttagct caaactctac 240  
 tgaaactgaa gacgattctg ctacaaaaac caagacgacg ccgtttgggtt acacgaggaa 300  
 ggatgttata ttganaggag tgggagtgac tgcacttggt atcgggctan anagtggacn 360  
 tgagtatntg gganttgatc cgttgcaagc ggggaatgca gnt 403

<210> 17151  
 <211> 390  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-045-Q1-E1-C6  
 <400> 17151

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 cttcaaacag caacaagtcc acgaaattct cgaaaatgct tcaaagagcg atgtcaattg 120  
 gtcacagtgc ggcgccggtt agtccacgga gagattttca tcagcaccgt acgacttcga 180  
 cggcgaacag aggaatcttc ttctccagtc cgttggttcc tacggctgct agagttagga 240  
 gaaatacaaa gatacgaagc cgtttttgcc cgaaccact tcgcctaaag tctcctgcat 300  
 cggtcaggtc anactccgct agaccctaaa tgtccggaga aggagaacaa aggcacctaa 360  
 ggaatcncaa aacgggaatc ngctcttaac 390

<210> 17152  
 <211> 427  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-045-Q1-E1-D1  
 <400> 17152

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 gcagatctcc agaatgccat tgacagttag gattacgggt tggcagctaa gttacgagat 120  
 gaaatctcaa agcttgaggc agaatcatta gctgtatctg cgaaagcctt ggcttttgag 180  
 aaagcagagt atgcatttctg tttgggacag aaacttagac acaaaaacttt tggttaccgg 240  
 gctgtagtgt gtggtatggg atccaatttg cagtgaatca agctcttggg tggaagctgc 300

agaggttgaa aagttacctc cgtgggattc aatcagccat tttatcaggt tctaactnat 360  
gtttcggacg caccagatc tactantggc ataagttgcc gaagacaatc tggttaaccn 420  
cctgaaa 427

<210> 17153  
<211> 275  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-045-Q1-E1-D8  
  
<400> 17153

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cgaaaatggc gaagaagtcg gttttaatac agagatctac gctgctcacg agattgacag 120  
aattgctcgt gttgcattcg agactgctac gaaaaggcgt ggcaagctgt gttctgttga 180  
caaagccaat gtcttggatg catcaatatt gtggangaaa aganttnaca agctttagcc 240  
tctgaatatc cacatgttgg actatcacat atgtt 275

<210> 17154  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-045-Q1-E1-E7  
  
<400> 17154

aaattgtaat ctttgtcaaa ttttgtttat tttgagtttc ttagtgaact cagttggata 60  
acagtgcacac atatgagatt tgagatgaat ttattttctg gtaaatgcat agagattatt 120  
aatgtttctt actgatttga gaattgcaag gcattgtcct ttgagtttgg tgttaaagtt 180  
agcaaattgg tgactatctc tattgagttt acatgttttc ttggttggtta ttgtgaggat 240  
ttaagatttg cctgcttttg tatttctctt tggctctgta atgtcagaat tgtttctttc 300  
ttaaagttga tttctttgtc aatctttaaa caagagatcg aggtgttttt gacgcaatag 360  
aagatcgttc tgctgtttat tatccaagaa ctgctttagt gggtataaac attt 414

<210> 17155  
<211> 416

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-045-Q1-E1-E8  
 <400> 17155

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ggaaagagaa cgagagaggt acgtagaana aaatggctgc cttatcagag aaagaggctg   60
aagcttatct cgacgcaagg cctagatata cgatcgattg gtttaagaaa attgccgcac  120
ggacacagga ccacaaatth gcttgggatg ttggaactgg taatgggtcag gctgctattg  180
ggcttgtgga gcattacgag aatgtagtgg ctaccgatat aaacgaagca cancttcanc  240
gagcantcaa aactcaaga atcagttacc atcacactcc aacaacgata tcagangatn  300
agatggtgga tctactcggg ggagaaaact ccgtggatct catagttgct gctcaanctg  360
tccatttctt cgacctcaan cgtattttac aatgttgcag aacgtgttct tccgna      416
  
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<210> 17156  
 <211> 433  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-045-Q1-E1-E9  
 <400> 17156

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gtacgtcttt tgcataagaa gaaacagaga gcattatcaa ttattaacaa ttacacannn   60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gctttggcca  120
cgacggcacc gttagctccg gtcaccagtc agcgaaaagt acggaacgat ttggaggaaa  180
cattaccaan accatacatg gcaagagcat tagcagctcc agatacaaga gcatccgaat  240
ggaacagaaa ggacacgata gcaanaggaa tgagtgttat gcaacaacat gttgctttct  300
tcgacaaaaa cgacgatgga atcgtctatc cttgggagac tataaaggga tttcgtgacc  360
ttgggtttcaa cccaatttcc tctatctttt ggaccttact cataaacntt agcgtttcaa  420
ctacgttaca cct                                     433
  
```

<210> 17157  
 <211> 84  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-045-Q1-E1-F9

<400> 17157

gaatgaaaat tgatagaata tatgcctttt cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnnnn nnng 84

<210> 17158  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-045-Q1-E1-G2

<400> 17158

tcgcagtgac caggcccggg cgactgttta ccaaaaacac aggtctccgc aaagtcgtaa 60  
gaccatgtat gggggctgac gcctgccag tgacgaaagg cttacaaatg gtggtgacgt 120  
ctttctcttc ancgcgcct atcttcttcn tacctggagc tgatgctcan ttttcttctt 180  
ccaatggaan gtttgctatt ccttcctctt ctcgcgtaaa gggactaana agacaccgag 240  
atgcaaaatt ggtgggcaat agagccagag ttggagtaat acganccta gccanaccaa 300  
ntgtatctcc tctctctct ccatgaaaan cnacangtca acaaagaggt aattcatggn 360  
agancctcnt tgaaagctaa acngttanct antaagcaaa tgtgnagaga ttaa 414

<210> 17159  
<211> 427  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-045-Q1-E1-H10

<400> 17159

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ttttgcttct ttgtacgttt ctttctcgta ccgaatctgc tcttccttat caccatgaac 120  
tggtcttggg gaggaagcgg atgaattatt ataagcccaa cagtgccata ggaacaccat 180  
catcaactag tgaccacgct ccaggcagta atgggaggaa gttgatgagt atatataaga 240



cccaatggag acatatattac aggaccatca ggcagtgggc atggtggggg tgcactcca 300  
 gcccctagt atatatatat taatgtgtaa tcaagggact cacaagegaa gcttttaatt 360  
 ctcgatcacg tataacgtat gcgttggtgt agtaaatggt taaatttcng ttttcacaag 420  
 cccaagt 427

<210> 17160  
 <211> 87  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-045-Q1-E1-H11  
 <400> 17160

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnn 87

<210> 17161  
 <211> 427  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-045-Q1-E1-H3  
 <400> 17161

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 ccgtactttg gaagagattc gtcaaaagag agcagctcaa aggctaagca aagctttcttc 120  
 aggtccagat cttagtgaaa ttcccaatcc tgccgatttc ccagtgatca gaaaatctga 180  
 gagcggaaat cgactttctg agacagatgt tgggtgcttta nattcccagc ttaaagaact 240  
 gcagaanaag aatgcagaaa tggacgagcg caacaaaatt ttgtcttcaa agcttcaaac 300  
 gaangaagtt gagaatgnat cactgagact cggttngaatt gtgctggaac aanaacacag 360  
 tgccatcttt gagaaaagcc ctcaanggaa attgcaatgg gagaaaganc tgcctgttgt 420  
 ttttacg 427

<210> 17162  
 <211> 421  
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-045-Q1-E1-H9

<400> 17162

ttanaagctg gtgccacagc tttgggtatt accattatgg atgaaatggc ttacagtata 60  
aacncgagaa aatgcgcatt atgggactcc gaagaaaccc gattgctttc gatagagtgc 120  
ctgggggatc atcgagtggc tcagccgtag ctgtagctgc tcgtcttggtg gatTTTTTcta 180  
ttggaactga taccggaggg aagtgtacna gttccagcat cttactgtgg gatTTTTcggt 240  
ttccggccat cccacgggtg cagtttccac tgcggactt actccantgg ctcatagctt 300  
cgacacaagt tggatnggtt tgctcgggac acagccactt tgaaacgtgt angttgcgtt 360  
ctcctgcagn cagcatcact tgancccat cgaaccatct caaactggaa tatcgggggn 420  
t 421

<210> 17163

<211> 538

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-042-Q1-E1-E2

<400> 17163

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tgactcctnn taacgcgtcc gtacggctgc gagaagacga cagaagggtg cggctgagag 120  
aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180  
acagaagggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 240  
gggtacggct gcganaagac gacagaagggt tacggctgcn aagaagacga cagaaagggg 300  
tacggctgag aagaagacga cagaaagggg ggaaaacgaa aacgaattta tgggattttg 360  
aaagaaaagc atccttttgt ttttaatcct tccttctcc tggtcctcca accttgcaaa 420  
cttgcnacaa accaactttt gctcaacgc cnggtctcc gccnattctt tcaaaccaaa 480  
gtttttaanc cccttcgnt ttgaattcca aaaaccaatt gaattgaatt ctncctcc 538

<210> 17164

<211> 435  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-E4

<400> 17164  
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 gctgaagaag actctggaaa aaagttcatc catcacaatt gattcgtggt cttgaaacga 120  
 atctatcgat tcaaacacat gaaacattcg gtgaatcggc ctccgacacc agatgaagac 180  
 gatgtggcgg atgggtttcga gaaagacaag gtcacgcttc gagaaatcat caacgtcaag 240  
 ttgggtggaga gtggagagaa ngagaatcta atggagcttg tgagagatag attggtggag 300  
 tgtggttggg aagatgagat gagaattgct tgcaggggaac atgttaaaga agaaagggag 360  
 aaaagatggt acagtcgatg aactgattcg agtgatcact cctaaaangg cagagcttca 420  
 antacaagat tcctg 435

<210> 17165  
 <211> 421  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-E8

<400> 17165  
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 ttgatctctt cggagtcgga gaagctaatt ccagaagct actcgaagga ggcaaagatc 120  
 tcagcgagat ccaacaggga ttgttcatag gatcagtagc tgaagcgaat aacaaggatt 180  
 ttctcaaaag ctctaataac actcatgtct taaccgttgc tgtggccttg gctcctcctt 240  
 atcctgatga ttttgtctac aaagtcattg aagtgggtga tagatccgag accgatttga 300  
 cagtatattt cgatgagtgt tatagcttca tcgaccaagc tattcaatct ggtgggtggtg 360  
 ttttgggttca ttgcttcatg ggaatgtcta ngagtgtgac tatantgggt ggcttacctg 420  
 a 421

<210> 17166

<211> 445  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-F10

<400> 17166  
  
 caacncccta tagtgacgtc gtattaggct gcgagaagac gacagaaggg gacaagcgaa 60  
 aagaaaaaag ttaagcgaag aagacgaaag agagaaaatt ttaggttttt gatttttcaa 120  
 tggcgacgac gacgggacac gagagatcaa agactcttat caatttctcg ttaccgaagt 180  
 tgtgggggac tcaacatccg aaacagagtc ttctatcgca gtcgctaagc gtcacattca 240  
 cggagaatcc acagccaacg gcggtggtca cattgcagga gcagcaattg acggattgga 300  
 ttactttctcc ggtgacgcga cggttcggaa tcggcgccgg gtttacctgg gctgggtttt 360  
 tagctttcgg tggtgtctcc gagcagatga agaagtcacg actcgatgtg tttcaggaag 420  
 aggataacac aagaggttta gaaaa 445

<210> 17167  
 <211> 416  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-E10

<400> 17167  
  
 nagacagaag gggactcgcc aagaagtttc ctttcctttg attgcacaac taatctcaaa 60  
 ctaaaagatc ttctcttttag gcataccag atctttctct ctctaaagtc tccacctttc 120  
 acggtttttt gttctcacc tgaatccaat caatctcgcc ggagtgaatt caccttctct 180  
 cggttgactc gtcggactta gtccgacctt tcaattcgta gattctgttt acaattcact 240  
 gatcgtttga ttagaaatgg gttacttggt cttctaagtc tctcttttagc tgaaagtttg 300  
 ttgcttttag actcttcgat ttacccttac ttgttcaagt tcttcatcaa attcgtagtt 360  
 atggcgataa gaatcacttt cacttactcc aanatgttg ctcggaatct cgtcgg 416

<210> 17168  
 <211> 428  
 <212> DNA

<213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-F3

<400> 17168

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 gttacacgag cttgtgagta tttttgaaga agaaggagct caagtaatga gtgctaactct 120  
 tcagaacttg aatgatagga ccacttacac aatcatagcc caggctatca ttagtcggat 180  
 tggcattgat ccatcaagga tagaagagag agtacggaaa atcatctatg gatatatata 240  
 ttttgaagca tgaaatccca aatgataagt ctacgctaac gctagtgtgt tttttcacac 300  
 atgtgttagt tcttttaaata tgagatgagt aattgctttt gagttcgatt atgataaata 360  
 tgttgaccgt caacataaga aaccttaaaa cgttgctcgtt tcgtttttta tcatcccngt 420  
 ttaaatca 428

<210> 17169  
 <211> 409  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-042-Q1-E1-F4

<400> 17169

tctttcttca gagaaaaaca aaaaacagag cattttttttt ggtcaagagc aagaaaaaac 60  
 agagcatact tttgcaaaaa gcagagcttg gagcgctttc ttgtcatcta aaattcaaag 120  
 gcagagacga tgggagatgt agttttgttc atagatgaaa catatttgaa atcgagtttt 180  
 aatcgctgta gaatctgtca cgaagaagaa gctgagagct actttgaagc tccttgttct 240  
 tgttcaggaa ccatcaagtt cgctcacaga gattgcatac aacgatgggtg tgatgagaaa 300  
 ggaaacacaa tttgtgaaat ttgtctccag gagtataaac ctggatacac cacaacttca 360  
 aaaccatctc gattttattga aacagcagtc acaatcagag ataattaca 409

<210> 17170  
 <211> 111  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-042-Q1-E1-F6

<400> 17170

agagatcgaa gagaagaata ttgatcatc ttgtgagaaa aataatggct gcttcaatta 60

tgctatcttc ggtgacattg aaacaactgg ttcacgggtg anaaggcggc c 111

<210> 17171

<211> 446

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-042-Q1-E1-F8

<400> 17171

caancctcta tactgattcg naataacgac agaagggaca aggttgttga agtgaatcct 60

atcagtaaga aagaaatcaa atggtctgat tataagaagg tgcctattct tactgtagat 120

ggtgaacaaa tggttgattc ttcagtata atcgatagct tattccaaaa gatgcaccct 180

gaaatttcca agtccgaaga tgatgaagag actaaatggc gcaagtgggt ggacaaccac 240

cttgtgcatc ttttgtcacc aaacatatac aggaatactt cagaggctct tgagtccttt 300

gaatatatca ccacacatgg gaatttcagt ttcactgaaa gattagtggc aaagtatgca 360

ggagcaacgg caatgtactt tgtatcaaag aaattgaaga aganatataa cattacagat 420

gaacgtgcgg ctctttacga tgctgc 446

<210> 17172

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-042-Q1-E1-F9

<400> 17172

gcntccgtac ggctgcgaga agacgacaga agggggggcaa gaaggcaaga acagttttta 60

tcgcaattga gtcttgaaga ccacaaggat ttgatcacat tgggtgcttct gctgtttat 120

ctgagtttga ggacaagaac ttctggggcg tttataattt gccatggcta gtaatgagaa 180

tctaccaccc aatgttatca agcagcttgc caaggagctg aagagtcttg acgaatcccc 240

tccagatggc atcaaggttg tggtaaata gaagagatttc tcacaaatat gtgctgatat 300  
tgaaggacca attggtactc cttaagagaa cggacttttc cgtatgaagt tggccttgtc 360  
acgtgaattt ccaaatttcg cctcccaaan gctacttcat gacaaaagat ttccanccta 420  
atgttgcttc caatggaaa 439

<210> 17173  
<211> 504  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-042-Q1-E1-G1  
<400> 17173

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actgattcgt antaachaca gaaggggcca ccactgtgac taaatctaaa caatttcattg 120  
gcgagtctct gtctctcatc gtcccgatc gtttctcttc accaccagaa accattcctc 180  
tctcttaaac tccggtctcg tcttcagat ctctccggtc taggtcgcca cagagtcct 240  
gtttgcttca atccgcttag gttatcgggt gatcgtcagc gaaccgctac ggtatcaacg 300  
aggggtggaga agcggcgaaa gagangatcg agtgtggtct gttatgctgc tccgatttct 360  
gccaatagtc tacaatggat ctccacattt cttgccttgc antgatgcct tgcaanggg 420  
actgggtata cataagtcag ttgttggtcc actaattcgc tctccaagca accaatcgag 480  
catccgtcnc ctgggattaa aggg 504

<210> 17174  
<211> 404  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-042-Q1-E1-G10  
<400> 17174

agagagaccc atccctcact tcaaagttca aagtctcgaa ggatcttctc caactctctc 60  
taaacaagat tccaaatttt caaagggtgaa tttgtttgat agaatacaaga acaaaccttt 120  
aaaatggcgc atctactttc agcttcattg ccttcagtta tctcacttag cagcagcagc 180  
agcaagaatt cagttaagcc gtttggttca gggcagacct tcttcaatgc tcagcttctt 240

tcaagatctt ctctcaaagg acttctcttc caagagaaga aaccgagaaa aagctgcgtt 300  
 ttcagagcaa ctgccgtacc tataacccaa caagcaccac ccgaaacatc taccaataac 360  
 tcacctctta aaccaaagcg tggttatggc attggtggag atgg 404

<210> 17175  
 <211> 400  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-G5  
 <400> 17175

agagaaaaac cctaattctt atcttcatct tctcccgcg tcggccgtaa gaggtttcga 60  
 agaagcaaag tgagcaacaa tggcgggagg caagatcagg aaggagaagc ccaaggcttc 120  
 gaatagagca ccattcgaacc attaccaagg aggaatatcg ttccacaaat cgaaagggca 180  
 acatatcctt aagaaccctc tgcttgtgga ttgatcggt cagaaagctg gtatcaagag 240  
 taccgatgtg attctcgaga tcggtcccgg tactgggaaa cttgaccaa gaagcttccn 300  
 agaaagctgg caaaagaagt ttatcgccgt ccgaactttg actcctccgt tatgggttct 360  
 ccaagcctta ancngccgtt tttcaaaggg aaantccct 400

<210> 17176  
 <211> 418  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-H5  
 <400> 17176

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnnnccatt ggcttcttct tgagatctcg tcaggctctg 180  
 atcccaatct atgttcgac tcaactctac cgagatctca tcttctcca ttttttcaaa 240  
 gatccatata tgagctctaa aaccacagat ttcaatctgt gaatcccgta tatatgctca 300  
 atcggagcca gattctaaca aatcaaaaga aaggaaagaa agaanttga gaacaatggg 360



agctgaaaag aaatgggntt tcaaaatccn tcccctgtag taatccccct caagtgtt 418

<210> 17177  
<211> 325  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-042-Q1-E1-H6  
  
<400> 17177

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ctcaggatcat tgttcttcaa tggttcgag caacacgact actgggggttg ataatacgtt 120  
tagaaagaag tttgatgtgg aagagtttaa ggagcgtgct cgtgaacgag aaaagaagga 180  
atcgatcgg tctaaatctc ggtccaaagg tctcctgtg caaagagccc ctttgaagca 240  
tagagattat catgtagacc tagaatctcg tctgggcaag acacangtcg ttacaccggt 300  
agcgctcta aatcagcagg ctggt 325

<210> 17178  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-A1  
  
<400> 17178

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acctactcaa cggtcactcc ggtggtcagc agcagtaaca ttcgaggagt ctttcgtttg 120  
gcattcacgc gccgccgtgt tactctatcg ccgaatgctc ggaggagaaat attgagagtt 180  
tcggcgaaag cgtcgacgaa gaatgctatg gagtatagga aattaggaga ttccgatctc 240  
aacatcagcg aagttactat gggcactatg acatttgggg agcaaaatac tgagaaagaa 300  
tctcatgaga tgctgagtta tgcaattgaa gagggcatca attgcattga cactgctgaa 360  
gcttatccca taccgatgaa naaggagacg canggttaaa ccgattcttt anat 414

<210> 17179  
<211> 404

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-A9  
 <400> 17179

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 tgataagttt ctttataatc aaccaaata aattcttgat tggcacaga gattcaatat 120  
 catcaaagac gtagcctcgg gactctgcta cttgcatcag cagtgggttc aagtgattat 180  
 tcacagggat attaagccag caaatattct tcttgatgaa aacatgaacg cgaagctcgg 240  
 tgatttttga cttgcgaagc tatgtgacca cgggattgac tctcaaacct cgaatgttgc 300  
 aggtacattt ggatatatat caccggagct gtcgagaaca gggaagtcaa gcacaagtgc 360  
 tgatgttttt gcatttggan tgttcatgtt ggagattacn tgcg 404

<210> 17180  
 <211> 208  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-B10  
 <400> 17180

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 cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 120  
 cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggttac tgnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nngcggcc 208

<210> 17181  
 <211> 434  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-B11  
 <400> 17181

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gattctgaag cttgatgtag cgaagtttcc agaaattgag gatacaatcg aattaactaa 120  
 cccaaagaga aacgacgaag tagaagattg cgacgaccaa cagaagcagc agctagctac 180  
 acaagaagat gaagaggaag acgaattgag aaagcttctg ctttcagata ttggagaact 240  
 tccgatttct cctccttcag ctacacaagt caattttgtt tcttacttca tcacagattt 300  
 tactaaatcg ggtcatgata aatatattta ccgtcacgct aatggtttgt gtgtaattgg 360  
 attggctcct acgcatatag cttttaagga tgaagggtga atcactaagt atcgatttca 420  
 atgttgggaa gtcc 434

<210> 17182  
 <211> 392  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-A7  
 <400> 17182

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 atctcgtct caatctccct catcatatta tctctctcct tcttctactt cgaatctgaa 180  
 cctgccaaat cgctactatt atggctttcc ctctctttcc tcgtcgggtcc tttcgctcct 240  
 aactcgcctc accgggaggt acgattcgtg tcngttatgg gcaagatctt gggnnccaga 300  
 aacagattcn cgatgagtca tncacggatt acgaacgttt natcnggag gaaatcgggtg 360  
 aataancgat ctaaagggtc gacgaanage ga 392

<210> 17183  
 <211> 482  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-B12  
 <400> 17183

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ttcggagaat tattgcgggt atcgggtgttg aaattgtgtt tcccatatac tctcccaaca 180  
 tcaaagagat aaaagtgggtg agtcacagga aagtaagaag agcaaggctt tactatctga 240  
 gggacaagct tctcgtctg tccactttca agtgaacacc atccaccgtg ctgtgtttga 300  
 cctccagagg tagtaatctt ccgcattgtg ctcttttttt gtaagaattg tttctttctt 360  
 tctttttttt aagcctgtaa gtcattccct gcacattttc tgagaaagta aattaagatt 420  
 agttgaactt ccggttgatg gatgtagacc tgttccttgt ttgataatga atgatatatg 480  
 gc 482

<210> 17184  
 <211> 513  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-B2

<400> 17184  
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 tccaagcgtt cactaacgac acgacgtttg tttatgaacc aaaaagacga atttttcaaa 180  
 acctcgtcgg agagggttag gcttaaagaa acaaattgtt ggaatctcaa ttctcgaatc 240  
 tgacatctcg gagaagagat atggcgacag agtcacgga atcggaagaa gaaggaaaga 300  
 ttagtggagg aaactataag ccaatcatag acgacgattc aagagagatg ggtaaaaacg 360  
 caacttgag cgtagctcc tgtaagcccg gcaatggcgt caccaactcc tccggcgacg 420  
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<210> 17185  
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 <212> DNA  
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 <223> Clone ID: LIB35-042-Q1-E1-B3  
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cgcttggtgt tggcgtgcag gtgtatgcc aatgccgtgcg caagctgccg ctgatgcgga 180  
agccctggct acatgttctg tgcggcagcg cangctacgg cttcggtctg tggctcgtgg 240  
aatttgaaag caaagacgca caanggactt gactgaaatg ttgaagaatc gcgagaaatg 300  
cgaacnaagc agctggcaac cgttgacnac atccttgcg aacgaacatg catgcctgaa 360  
angggggcaa nccancaanc aagccaancc ttcanaaaag ccaccggcac acatcaactg 420  
nccctcgcaa atcngtttaa atg 443

<210> 17186  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-042-Q1-E1-B4  
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ctcaatggcc gcctcaacaa tggntctccc ctccccctgcc ttcgccggtta aggccgtcaa 180  
gctttccccc gcggcatctg aagtccttgg aagcggccgt gtgacaatga ggaagactgt 240  
tgccaagcca aagggcccat cangcaaccc atggtacgga tctgaccgtg tcaagtactt 300  
gggtcaattc tctggcgaat caccgagcta ccttaccgga nanttccccg ggagacaacg 360  
gatggganac cgccgggcct ttaacctgna ccccgaaaan attccaang gaacntnna 420  
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<210> 17187  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-042-Q1-E1-C1  
<400> 17187

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 tgatgacagg ggagccggcg accgaagccc cgggtaacgg cggccgtaac gataacggtc 180  
 ctaaggtagc gaaattcctt gtcgggtaag ttccgacccg cacgaagggc gtaacgatct 240  
 gggcactgtc tcggagagag gtcgggtgaa atagacatgt ctgtgaagat gcagttgaag 300  
 cattcgctag acgaaatgta ccgagtcatg gcattcgccc gaagcacatt ttttctgatg 360  
 atgcntcca 369

<210> 17188  
 <211> 431  
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 <213> Arabidopsis thaliana  
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 <223> Clone ID: LIB35-042-Q1-E1-C10  
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 gtttaagggaag ttggtgacct gatgacaggg gagccggcga ccgaagcccc ggtgaacggc 180  
 ggccgtaaca ataacggtcc taaggtagcg aaattccttg tcgggtaagt tccgacccgc 240  
 acgaaaggcg taacgatctg ggcactgtct cggagagaga ctccggtgaaa tagacatgtc 300  
 tgtgaagatg cggactacct gcacctggac agaaagacc tatgaagctt cactgttccc 360  
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 gggggggccc g 431

<210> 17189  
 <211> 483  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-C11  
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cgtantatgc gagaagacga cagaagggga cagactctgg actctgaaga agcaaattggc 120  
 tgggatcacc agcaccgttg gattcaacgc cattctcgcc ggagccacca aaacgggtgtc 180  
 gcatcctgtt aaatctaagc tcttttgtct tcgactctgt gtacccgaat tctcaattgt 240  
 ttctctttcc ccttatcatc atcgccgttg tcccgccatc acttgccgtt acggaggcgg 300  
 tgggtggcga ggctctagat ttcccggcga taggagaggt aggcagaaag aatccgagga 360  
 tgatgattcg cttaatatct cagctattag gtcagccact gttaggctta ttgatgatca 420  
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 agc 483

<210> 17190  
 <211> 394  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-C6  
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 cgaacagaaa accgggttcc acggtcttgc ggatacttct aacttcgatt gggctagtgtt 180  
 tgccggtaat gttgagcata ataactcggg accggaactc ggaatgagtc atgttgttcc 240  
 taatctcgag tacaactgtg gctacctgaa gacggaggan gaagtcgaga gcagtcacgg 300  
 gtttaataac tcgggcgagt taactcaaaa gggttatggg gttgactcgt ttgggtattc 360  
 ggggcaagtt nggtgggttg gggtttaagt gaag 394

<210> 17191  
 <211> 382  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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cccagattaa tcttctataa ctgattttat cgcttagacg atcacgatct catcgattaa 120  
 ctgacaaatg aagcatgtag taaagatctt gagcctgttg gtggctatct ctgccttctg 180  
 gattggtctt ttgcaggctg caattattcc tcgaagccat acatggttgc taccgatcta 240  
 ctttgttgta tccctcggat gctatggcct attaatggtt ggagtcgggc tcatgcagtt 300  
 tcctacttgc cccaagaag cagttctgct gcagaaggat attgcagagg ctaagggctt 360  
 cttcaaagca caaaggggta na 382

<210> 17192  
 <211> 497  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 ggagccgggt agcccgatgg cgcgtgtatt ccaatcgccg ggcatagact tatgtgccgt 180  
 gaccatcatg ggtttcaaaa caaagattaa tcccgcagtt gttcttgatg ccttgaagca 240  
 aaatgtctcc aagcatcctc gtttctccag catactgtcc gataatgggtg caaaatggat 300  
 cgagaccgaa gttaatgtan aaagatnatg ttatttgtac catacataga cgcggaagag 360  
 ataggtgaag gtgggacaaa agcttcatcg atgattatat gtcacgtctc acgatgattc 420  
 ctctcgatag atnaagacct tgtgggacat tcacatccta acgtcaaaac ctcagangct 480  
 gaagcagtcn gtttttaa 497

<210> 17193  
 <211> 405  
 <212> DNA  
 <213> Arabidopsis thaliana  
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 gtatgataca aaccgtcgcc ttctcctctc ttctctagct tctcatgttg tagctcgagg 180  
 tgacttctac agtaattcac ttggccaagt ctatgatcgg gtgtatgctt tggggatggt 240  
 catctcagtt gttgaaccaa aggtttgctc aaactgtatc gaccttgctt ccaaaagang 300  
 tgttanagga atgtaccaac caagacaaga aaggcattgc ctggcccgaa aatnggattc 360  
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<210> 17194  
 <211> 439  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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<400> 17194  
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 ctccgcacac aagcgcataa gcgtgagctt cctcgtgtct ctcatggtac tttgtgctag 180  
 acacgcangc agagtttcca agangcttaa acccaagaag actcggaagc aaactcatct 240  
 tgannactat ctcgaaagcc ctaagtctaa cggaaacggt agcgaagacg gtagaggang 300  
 angacggttt ggatggagtc cggcaaggac tttttctcct atgaggggtgc gtcctaagga 360  
 gctctanacg accttgagca ncaaggngat gactatngnt ggncggaaaa nacaaagctt 420  
 acnacggtgg tccgacgaa 439

<210> 17195  
 <211> 399  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-040-Q1-E1-H4

<400> 17195  
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acgatccagt tgtttgcgga naagtcagtg gaaatagatg tgatggtgag aagaatggta 180  
atgganagct ttggaatana aaaatacatt gatgaccatc taaagtctac ggcgtatgcn 240  
actgatgaag tatattgcac cacctgaggg tgatgctaact actactgttg acganaatgc 300  
tgatcttctt gctaagctta tantgttggn gttgaacctt ntgttggtgt taaagtnaat 360  
gccnatatta tgatgatgtt naccctaagtg ggaatgtta 399

<210> 17196  
<211> 451  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-040-Q1-E1-H7  
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tatccaatcg cttttaaacg ccaataatcg cgttacagta acaactcgaa aaatggtaac 120  
actaatcgtg gccaccaccg ccgatccagc gtcgatcaac cctgcggcgg cgcttctcgc 180  
catgcccggg tggaccgccc gacctatctt accgccggac ataaagagtt ttagtaacaa 240  
gcaaacgaga gtgattcaac acgatagatc tatagtaaaa gaagacgatc tcgatttacg 300  
ttgggaagaa gctaccgggt gaagttgttg atgaagtcac cttcctcagc cgtcacaccg 360  
ccgtctcaaa tcgtctgct ttaactgttc atccgatttg gngtgccctca tctaaaagga 420  
ttggngnatc accgccgcaa aggaggaaag n 451

<210> 17197  
<211> 473  
<212> DNA  
<213> Arabidopsis thaliana  
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aaggggggag aaagtgggtg atctcttcgg agtcggagaa gctaattccc agaagctact 120  
cgaaggaggc aaagatctca gcgagatcca acagggattg ttcataaggat cagtagctga 180

agcgaataac aaggattttc tcaaaagctc taatatcacc catgtcttaa ccgttgctgt 240  
 ggccttggt cctccttacc ctgatgattt tgtctacaaa gtcattgaag tggttgatag 300  
 atccgagacc gatttgacag tatatttcga tgagtgttat agcttcacg accaagctat 360  
 tcaatctggt ggtggtgttt tggttcattg cttcatggga atgtctaaga ggttttgatt 420  
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<210> 17198  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-040-Q1-E1-H3  
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 tgttggtcag ttcatagaagc cattgttgga gttttttcag cagattgggt ctcctttttg 180  
 tttgaatgct tacccttttt tggcgtacac ttataatccg aaggagattg atatcaacta 240  
 tgctcttttc aagccaacgg aagggatata tgaccgaaa accgatttgc attacgataa 300  
 catgcttgat gctcagattg atgctgctta catggccgtt gcaagatgct gggtttaana 360  
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<210> 17199  
 <211> 383  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 gctgccgaag tttctaagtg tgtcttctca gccagtcaaa gaatcagcga cactagagag 180  
 tctcctaaag aaaccacata tccactacaa gcttcttgag aagcatggct ttggaaatga 240

agcattatct agaatggaga aagactgtgt agagatcgat ataaaatatg aangtttcat 300  
 tgttcgccag caaaaccaac tgcagcanat ggtccaccaa caacataaga cgacttccag 360  
 acgatttggg attactattc gat 383

<210> 17200  
 <211> 404  
 <212> DNA  
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 <223> unsure at all n locations  
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 ggagatgctt tgggcgagga gttcaaagga tacgttttca agatcaaggg tggttgcat 180  
 aagcaagggt tcccaatgaa gcaggaggtt ttgactccag gccgtgttcg ctttttgctt 240  
 caccgaggaa ctcttgctt cagaggacat ggaaggagaa ctggtgagag gagaagaaag 300  
 tctgttcgtg gttgcatttg tgagcctgat ttctcctgtt cctgaacctt gtcattttaa 360  
 aaaagggttaa gaaagattct cctggggcctt aacgatactg anaa 404

<210> 17201  
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 <212> DNA  
 <213> Arabidopsis thaliana  
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 <223> Clone ID: LIB35-041-Q1-E1-A12  
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 gtcagctttc gttcagaacg ccatcttgtc caacaagatt gccatcttct ccaaatecta 180  
 ctgcccgtat tgtttgcggt cgaaacgtat attcancaa cttaaggaag aaccatttgt 240  
 tgtggagctt gatnagagag angacggaga ttaaattccan ntacgagctt tagaantcgt 300  
 ttggtcgtcg tactgtcccc gc 322

<210> 17202  
<211> 456  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
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caagcaattg caaacaacca agcgtttatc acgtcagga agatcgaggc tgcaagagag 180  
attgcacagg ccatagcaaa ctgcggaac aagggtttact tgagtcaga cgatcttttg 240  
cttaacctac aagggatgaa tttggatgtt gatgcaaaga actagagagg tttcttaagt 300  
aaaactgcat gtgggtcatt ttgtctttta agttcctaga atccgttgga acaaaagctt 360  
gatttgtact actaaatact acttttaaaa tcttgggatt agtctactca anggtgaaag 420  
tttgaaaaag aagatactgt cttgctgaat gantta 456

<210> 17203  
<211> 74  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-041-Q1-E1-B9

<400> 17203

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<210> 17204  
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<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
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acagggattg ttcataaggat cagtagctga agcgaataac aaggattttc tcaaaagctc 180  
taatatcacc catgtcttaa ccgttgctgt ggccttggt cctccttate ctgatgattt 240  
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attagattta ntgtttaaga at 442

<210> 17205  
<211> 59  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-041-Q1-E1-D11

<400> 17205  
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<210> 17206  
<211> 442  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-041-Q1-E1-E10  
<400> 17206

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acgtttacca aattcaagaa caagaaaaaa cttttccttt gaaacaaaga aacatggatt 180  
tcttcaccga tcaagtaaag aagaaattct ccgacaagaa accggagagc tctgatccgg 240  
agccaaacca caacaaaaac aaacccggtc acacggagcc aacaacacat aaacccggtc 300  
acggcgagcc aacaacacat aaacccggct ccaacaccga tccgacaaca cacagaccgg 360  
ctacgaacgc tgagctcatg gctagtgcc agatcgtagc cgaagctgct caagcccgtc 420  
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<210> 17207  
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 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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gatatggttg ccgagaaact tcagattgga ggagaagaag agaagaagga aacgacgaca  180
aaggaagtgg agaagatctc taccgagaag gcagcatcgg aggagggtga ggcggtggaa  240
gaggaagtga aaggaggagg aggaatggc gggaggatta aaggatggtt cggtggtggt  300
gcgactgatg aggtgaggcc agaatcgcca cattctgttg aagaggctcc aaaatcatct  360
ggctggtttg gtggtggtgc gacngatgag gtgaagccaa aatcgctca ttccgttgaa  420
gagtctccac aatcacttgg ctccactgtt gttccggtgc agaagganct ttaanantat  480
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<210> 17208  
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 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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cggtcgaatc acaaaggaag agctcaacga ctgccttgag aatcttgga tctacatacc  120
agacaaagat ctgactcaaa tgatccacaa gatcgatgct aacggtgatg gatgcgtcga  180
catagacgag tttgagtcgc tgtacagctc gattgtggat gagcatcaca acgatggcga  240
aacagaggaa gaggatatga aagatgcgtt taacgtgttt gaccaanacg gagatgggtt  300
tatcactgtg gaggagttga aatctgtgat ggcttccttg ggactcaagc aagggaagac  360
cctaaatggt tgtaagaaga tgattatgca agttgatgca nacggt                    406
  
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<210> 17209  
 <211> 497  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-041-Q1-E1-H10  
  
 <400> 17209

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ccacgcgctcn gtaaggctgc gagaagacga cagaaggggg aagangaaga anangatcaa 120
aaccatgacg agtcaccacg cgatcgaagt gacgaagacg gtgctggaag tanccgacgt 180
ancatggacc gcggtggaag cttaccatca ccaccaccac caccangacg aaattcacga 240
gtcancgaat ccaatttctg atccacgana tcgtgaatta gaanctcttc gtcaagagaa 300
tcgtcgtctc aggactttgc ttgaatcgaa tcttaaactc ttgagactc tcgctganc 360
tgctgcgttc tctcatgatt gccctancga nctctatgct aagcttgtaa cgatgggttac 420
ttcannagat ttcttgggct agattagaga ntctangaca agctttatct aatggaattc 480
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<210> 17210  
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 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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aagaccatgt atgggggctg acgcctgcc angtgccgga aggttaagga agttggtgac 120
ctgattacag ggggaacccg cgaaccgaag ccccggtgaa ccggcngccc gtaactataa 180
cggtcctaaa ngtaaccnaa aattcccttg gtcccgggtt aaagtttccc gaaccccggc 240
accaaaaagg ggcgttaacc gaattctggg ggcaactggt nctccgggaa naaaaaaggc 300
ctccggttng aaaaantaan aaccaatggt cccgggttna aaagaatttc ccgggnactt 360
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 tcttcagagc ttccaccatg tttctccgat cactcaatct ctgtacaata ctactcttcc 180  
 tagcgatttc atcacaagtt tctcaatctc tccacttcga attgcantct gggtcgaaca 240  
 tgatgtatat cggaagacat aanncagcaa ttcaatgacc gtcgggaagt ncaccgtcgt 300  
 taaccctaac gaagctcatc cntctcctca atctcacaag atntccatca gtgacatcga 360  
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 <211> 396  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 cgacggcacc gttagctccg gtcaccagtc agcgaaaagt acggaacgat ttggaggaaa 180  
 cattacaaa accatacatg gcaagagcat tagcagctcc agatacagag catccgaatg 240  
 gaacagaagg tcacgatagc aaaggaatga gtgttatgca acaacatggt gctttcttcg 300  
 accaaaacga cgatggaatc gtctatcctt gggagactta taagggattt cgtgaccttg 360  
 gtttcaaccc aatttctctt atcttttggg cttact 396

<210> 17214  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 gcaagtatta agctttggtt cgaggatgac acgagttgct taaagccgaa tccaacaaaa 180  
 actagttagc gacttacggt gtgttaaaga agaataatg atcttaatacc caataactga 240  
 tgaagctatt ccaacatga atttcttata tctgataatc ttataaaaag gacttacatc 300  
 gttcgtcaga cgaagctgtg aangatgttt gcattctaac gacatgacct tatcaagtac 360  
 tgcagagang aagcanatga cgatgcttgg naaaat 396

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 gttctaaagt ttgtctcaa cgctaggaat gaagggtgaa ctgttctttg tggaggagtt 180  
 cgtcctgagc atttaaagaa gggatacttt gttgaacctg cg 222

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 <211> 376  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 17216

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ctgaaatttt ccaatggggc ggaagaagcc gagtgctcga ggtggagatg ctgagcagca  180
acctcctgcg tcatctctcg ttggtgctac taaatctaag aagaaagggtg ctcaaattga  240
tgacgatgag tactcaatag gtactgagtt gtctgaggag tctaaagttg aggaagagaa  300
ggttggtggt atcactggga agaagaaggg taagaaagggt aataagaagg gtacgcagca  360
ngatgatgat gatgat                                     376
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<210> 17217  
 <211> 228  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 17217

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gaatgtttcg ttggacacaaa ttaanatgga agttatgttt tctattatac atcttacaac  180
tgttgatggt ctactaaaaa agaatccatt gtncntnngn aaanaanc                228
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 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-038-Q1-E1-E4

<400> 17218

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tttctcaaaa agataagggc attgcttcat tgatatggtt aagaaatggt agttgcgtat 180  
cctgcgggaa ctatcaacaa attccaaatc cctattagct gctatgccgc tttgcgcaga 240  
ttcaagacct cgccttttgg tcctctgatt agttgttctg tctccccaag atcaata 297

<210> 17219  
<211> 403  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-038-Q1-E1-E7  
<400> 17219

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ttcttcgata ttccgagctt agtttcgttt ctaaataatc agctgttgaa atcgtgctta 120  
ttgctacaaa ttgagaggca ctaaatacagt gaggtcgtaa agaagaaggc aaccacaatg 180  
atgcagactt gttgtatcca tcaatcgttt tgtttccctc atanagtctt tccacggttt 240  
gatgcttcga ttggtattaa gcccccaaag ctttgtcaag ttggtttcat tggaaagact 300  
caatcttatg ggatttcaag tccgatacgg caaagaagat tatatgtgaa tttgaatgct 360  
aatgatggtc acccatccat gtctatgttg gaagaagaaa ctc 403

<210> 17220  
<211> 406  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-038-Q1-E1-F4  
<400> 17220

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gactcagatg ctccgtccaa attcaggaag ccacgcgcgc accggaagag gatggaggac 180  
ttggagagcc tcggtatcag tagcccggtc aagaagtctt ctcgaagggc cagaaccccg 240

tttacggacc aagatgaccg cgaaatcttg gaggggctgg agaagtacgg cccagcttgg 300  
 actaaaatcc agcgggaccc tgcctttcat ctacagagcc tgcagccgac agatttgagg 360  
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<210> 17221  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 gaggaagttg ctgaaccacc acaggttcaa cctcgtgaaa acgtggcacg tgctggtggt 180  
 ggacggagga tgcgtaggat acctgcagct tctggtgcta gctcctctac atccaatgtt 240  
 caaganaacg gcagtgggag tgaagatgaa gatga 275

<210> 17222  
 <211> 91  
 <212> DNA  
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<210> 17223  
 <211> 478  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-038-Q1-E1-G5  
 <400> 17223

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 naataacgac agaaggggga gatacggaag aatcagatca acgcatgcga ccaagtaa 120  
 caaaatcggg ttgaagaaga aagagataag ctttcacatc aatTTTTgaa ggcgcgaaat 180  
 ggggaatact tcatcgatgc tgactcagta cgacatcgaa gaagttcaga gtcattgtca 240  
 tgatctatTT gagcagcagg agattttatc tctgtatcaa cggTTTTgcc agttagatcg 300  
 aaacgcaaaa ggatttatat ctgctgatga gtttctctct gtgcctgagt ttgcgatgaa 360  
 tccactctct cagaggctgc ttaagatggg tgatggtttg aactttaagg attttgttgc 420  
 tttcttgtct gcgttttagtg ccaangctag tctaagacag aaagttcant tgatcttt 478

<210> 17224  
 <211> 405  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 aaaccggaga cccatcaaga aaaagacttt cgccgtcgta aaaatcgacg agaaatgtcg 180  
 aaaatcta at ctgacgaat cgagaagaag caatcctaca tggaactata aatcagagat 240  
 gccatcaat ggtaatgaac agtttatctt cattgaggta ttttatcgaa caggttctgg 300  
 gcatgataaa aaaatcggag aagctaaaat cccaacgaat gatttcatgg gaangtattc 360  
 acctgaaggt cacttaaact tcttgagcca tagattgaga aatga 405

<210> 17225  
 <211> 388  
 <212> DNA  
 <213> Arabidopsis thaliana  
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ttagagaatc gaagaactcg tatcagataa gctaaaatca atgggtagcc aacgacgaag 120  
 atcggtgata gctttgattt tcatctgctg cgccatttct tctacctcat ctgatcaggt 180  
 tggaacaaat tatagagatt ctcatgaatt tttcgattcc gatacaattt gtatctctga 240  
 tcaatacatt atggagtctt atttcactac atacacttcc ttagacgact cagagtttctg 300  
 aaacttcttg cttcttcaac aatgttctga caaagttcct actcaagatt caaacattgt 360  
 tcctggaact tcatttagnc aacataga 388

<210> 17226  
 <211> 404  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-038-Q1-E1-H5

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 tatgaaacaa tcgtcatggg gttgcacaat cttcatccaa ttatctctat gtctcatcat 120  
 ctatgtgtct ctgcattcgg gtcacccatt cttcttctct agtgacgacg gtgacaatgc 180  
 cacacctcta gatcttcatt tcatctccgt tgccggcggt ttcaggcctc ttaaccacca 240  
 aactgcctt ctccgattga tggagaaagt tgcagaaact tacaaggcca aatttgttgt 300  
 gagctcaagt gaacaaggag aagaagatcc attcctgcaa aatgcgactc gactgtcttc 360  
 ttcaactgaaa cttccatggt aactagaat gaanggatct ggat 404

<210> 17227  
 <211> 501  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 ctgcctactg cattgaaaat cgttgatctt tcagcggact tccggttgcg tgatattgca 180

gaatatgaag aatggtatgg tcagcctcac aaggcagtat agttacagaa agaagttgtg 240  
 tatggtctaa canngatact aangaggagac atannaaaag gcacgacttg tggctaaccc 300  
 aggctgttac ncgactacga ttcaacttcc tcttgtnctt ttactaaagg canatctcat 360  
 canacatgaa aacatcatta tcgatgcaaa atctggtgtt antggaccag gacgtggtgc 420  
 taaagangca agtctttact ctgagataac ctgaangcan ttctttctaa ggtgtcaccc 480  
 gtcacgcga tgttccccgaa a 501

<210> 17228  
 <211> 392  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-039-Q1-E1-A10

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 ggagacgact tttactgggt cttcattttc agaccatctt agagctgaaa agatatccac 180  
 cctgttgacc atcaaggaac agagaagaca gaaaccgcga ttttccaccg gtattcgtgc 240  
 acagacagtt acagcaagcc cgccggcaaa cgaagcatcg ccggagcaaa agaaactgaa 300  
 agaaaaggac tgcattgatt actgggagct ccgncgggtt aaggttaagc tacnggcaaa 360  
 gccttttagca gacacaggga aaatggatgt na 392

<210> 17229  
 <211> 89  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-039-Q1-E1-A11

<400> 17229  
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 agtctcctat atttttggta agatactga 89

<210> 17230  
 <211> 459



<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 gaggagtcaa tacattttct cctgaaggtc gtctctttca ggttgagtat gccattgaag 180  
 ctatcaagct tggttctact gctattggtg taaagacgaa aganggagtt gttcttgcag 240  
 tcgagaaagc gtattacttc gcctttactg ggagccgagt antggtgana aagattatgg 300  
 gaaattgatg ancatataag gntgtgccaa gaattggcct gaantggctg aacgccccga 360  
 aaaacttggt gagcaagcac caatntagna ccaaaaacac aanggttcnc ntaaggtga 420  
 acccatgact ggtntnaaac cacaacaaaa accnttttt 459

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 <223> unsure at all n locations  
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 aaaaccanca ttaagcgcca agaacccttt gagactcgcc ggtgcatcgg gaggaagagt 180  
 cacttgcttt gatangaant ggttgaggag agatttgaac gtggtacaga tttgggctga 240  
 tcggatggct agtccgctcg agcattccan cgataactgg gaaagagcct gacgggtctc 300  
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<210> 17232  
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<223> unsure at all n locations  
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<400> 17232

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gtctgacata tattggcttc cacagcagta catgtcggcc cttgtctagc atcatcggct   180
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tttggtttat atcacggtta cgtttcgacc gttgattgtc tttagatnag aattcattgg   300
gtatgtgtgt tgggtgaaggc gttggttttc aatccaagcn tgcttaataa atttaatcca   360
acctaacct                                     369
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<210> 17233  
 <211> 409  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 17233

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ggctttctct ttccacaacg gagccaagca gagcagcttc ggcgctgtca gagtcggcca   180
gaaaactcag ttcgtcgtcg tttctcaacg caagaagtcg ttgatctacg ccgctaaagg   240
tgacggcaac atcctcgatg acctcaacga ggccacaaag aaagcttcag atttcgtgac   300
ggataaaaca aaagangcat tagcagatgg tgagaaagcg aaagactacg ttgttgaaaa   360
aaacagtga accgcagata cattgggtaa agaagctgag aaagctgcg                    409
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<210> 17234  
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 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 17234

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aaggggtacgg ctgcgagaac acgacagaag ggtacggctg cgagaagacg acagaagggt 120

acngctgcna gaagacgaca gaaggggtacg gctgagagaa nacgacagaa nggtacggct 180

gcgagaagac cacagaagggt tacngctgcn ataagacgac agaattggtac ggctgagana 240

agacgacaga aggggtacngc tgcganaata cgacagaagg gtacggctgc cagaagacga 300

cagaatggta cggctgcnac aagacnacag aacgggtacgg ctgcnagaaa nacnacacaa 360

ngtactgctg ccgaaaacac ataagggt 387

<210> 17235

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 17235

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taagagtaag aagacaaaaa ggactgctcc taagtccgat gatgtctacc taaagcttct 120

cgtcaagctt taccggtttt tggtagaggag atctaacagc aacttcaatg ctgtgattct 180

gaaaaggctt ttcattgagca aagtcaacaa agctcctctt tcactctcta ggcttgtaaa 240

gttcatgact ggcaaggatg acaagattgc tgtgttggtt ggaactatca ctgatgattt 300

gagagttcat gagattcctg ccatgaangt tactgccttg aggtttactg anaaggctag 360

ggctagaatt gagaaagctg gtggagagtg cttaaccttt gaccaacttg ctctcagagc 420

tccattggga c 431

<210> 17236

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-037-Q1-E1-H12

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acgccacaag cacaaagggg ggttcaggcg gcccaaagga ggagaagaat cccatcgact 180  
ttgttcttgg gtttatgaca aaacaagatc agttctatga gactaatcca cttctaaaga 240  
angtggatga gaaagaaggc accaccaccg gagggccgang aaccgttcgc ggtggtaaaa 300  
actcagctcc gacncctgtg ccgaagaata agcgaggggtg gatttgggtg cctantgaan 360  
cctcctcaag ganatnttag naanaaantg gtntanttat tttgcattaa tcaagcnc 419

<210> 17237  
<211> 429  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-037-Q1-E1-H6

<400> 17237  
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caacttaaca ttgctcaggg tggttgatct ttctagggta aagtttggag gaggggaagt 180  
accttctagc attggagggc tcatccactt gagatacttg agcttatacg gagctgtggt 240  
atctcatcta ctttctacta tgcggaactt aaagcttctg ctctttttga acttacgtgt 300  
tgataacaag gaaccgattc acgtgccaaa tgttttgaaa gagatgctag agttgangta 360  
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cctggagta 429

<210> 17238  
<211> 409  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-037-Q1-E1-H9  
<400> 17238

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ctgttatngt attctgcaan gttaatggaa tccagttcga tgaggtcttg atttccttgg 120  
cgaagcgtca acaattatct cctganttca angatattaa cccattgggg aangttccag 180  
ctattgttga tggcaggctt aagctctttg agagtcacgc aatcccgana tatctatcct 240  
cggcgtttcc aantgttgct gatcattggg atccaaatga tctatccaac anagccaana 300  
ttcactcant tttggattgg catcacacca cattacgtcn tggtnngaac tggatacgtt 360  
ctgaataatg tactaagtc anctctcggt cttcctccga aaccgaaag 409

<210> 17239  
<211> 108  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-038-Q1-E1-A1

<400> 17239  
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nagaagacna cagaanggta cgctgccaga agacacanaa ggggactc 108

<210> 17240  
<211> 259  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-038-Q1-E1-A11

<400> 17240  
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tggagtcagt cgtcggccga gctctaaaat tctcatcgac ggcgaatttc aggtcaatcc 120  
gacgcggcga aacaccaaca ctctgtatca aatcattctc caccattatg tcaccaccgt 180  
caaaagccat cgtctacgaa gaacacggct ctcccgattc cgtcaccana ttggtgaatc 240  
tcccgcgggt ggaagtnaa 259

<210> 17241  
<211> 486  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-038-Q1-E1-A5

<400> 17241

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acgcgtccgc ccacgcgtcc gccacgcgt ccgtacggct gcgagaagac gacaaaaggg 120  
taaggctcgc agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagggc 180  
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgan 240  
aagacgacag aaggggataa agaanaagaa gctaacgaaa aataatggcg gagagatcaa 300  
attcagagga agtgaagctt ttgggaatgt gggcgagtcc ttttagtcgg aggattgaga 360  
ttgctcttac gcttaaaggt gtttcgtatg agttcctgga gcaagatatc acaaacaaga 420  
actctttgtt gcttcaattg aatccggttc ataanatgat tccggttctt gttcataatg 480  
ggtaaa 486

<210> 17242

<211> 403

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-038-Q1-E1-A8

<400> 17242

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tcattctccga cgcaggccgt cgtctatctt tgcggcggtg cctctctggc tttaggttgg 120  
ttgatgtcgg ttcttgagc gtogaacacg cttctcgagt ccgtggttcc ttattcgaga 180  
gtatctatgg ttcaattact cggcagggtt ccgagccaac actgtagcca agcattggcc 240  
aaggagatgg ccttggttagc ctacaatcgg gcgcttaagc tctctaaacc aggatatccg 300  
gttctcggtg tcggggtttac gggatcattg gtaacttctc gtcctaagcg tggagatnac 360  
aggttctttt tgtctatgag agcatccgac ccggttttg gaa 403

<210> 17243

<211> 381

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-038-Q1-E1-B11

<400> 17243

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cttcgattgc gatggcggtt ttgttgatac cgagaaggac ggtcacagga tctccttcaa 120
cgacactttc aaagagagag atttgaatgt tacgtgggat gttgatttat acggcgagtt 180
acttaaaatc ggtggtggta aagaaaggat gactgcgtat tttacaagg ttggttggcc 240
agagaaagct cctaaagatg aagcagagag gaaagagttc atagctggac ttcacaagca 300
gaagactgag cttttcatgg ttcttatcga gaaaaagctg cttccgcttc gaccgggtgt 360
tgcaaagttg gttgatnaag c 381
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<210> 17244

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-038-Q1-E1-B6

<400> 17244

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tcaacgaagt cactcttctc aagaatgata acgctaaaat cactgagcag gttgatgaag 120
cttcaaagaa atacattgaa atggagtcta agaacaatgt cttgagggca caggcttcgg 180
agttggcgga taggttgaga tcattgaact ctgtgcttga gatggttgaa gaaattagt 240
gtcaggcttt ggatattcct gagattcctg aatctatgca gaacccttgg cagatgcctt 300
gtccaatgca accaatcaga gcttctgctg atatgtttga ttgctgaaga tggatgattc 360
atatctgaag gatcaaaaat gaagcattga gttcgagtct ttggtctgtt ttacttactg 420
tcct 424
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<210> 17245

<211> 444

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-038-Q1-E1-B8

<400> 17245

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cacttctcaa tctttctaca gtcttcttct tccaaaagaa caccatcttc ctctgtaatg 120

tcagagaacc agtccgaaga agtccagcaa atcgagaagc tctatgagtt cagtgagcgt 180

ctcaatgcct ccaaggacaa gtctcagaat gttgaggatt atgaggggat cattaagatg 240

tccaagacta gtangaaggc aaagcagctt gcgtcgcagc taattcctcg ctacttcaag 300

ttcttcccta gtctctctac tgaggctttc gatgcgcata tggactgtat cgatgatgga 360

gatcttgggg tacgtgttca agccatccgt gggctcncgc tgttttgtaa ggatacgcca 420

gatattttat ctaagattgt tgat 444

<210> 17246

<211> 384

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-038-Q1-E1-C11

<400> 17246

atcgaaaaaa cccctaactt tgacatggaa ggagagattc aagactggga aatacttcag 60

agctcgagat ctaccacgga agatgacaat tcgaggagct tggaggagat tgatgatggc 120

acgcaaggta tgattaggtt tgatcatttc tctcttgaga accagagtgg tttgtctcgt 180

ttggangcaa acgatgaana tgggtctgtt caatcgggta gtccaggatg gatcgaacct 240

agctccgatg ttccttatgg tccgaagcat tttantgagt tatggtctga ttcangcagt 300

gatcggcttg atgatcaaga ggttagtgga tgatgatgtg aataacnana tgggtataga 360

nagaaacgaa gtgggtantg ttga 384

<210> 17247

<211> 233

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-038-Q1-E1-C12

<400> 17247



gaaaaagaga tggaaagaaa aaagttttct tcaaaattta ttcatttgct cattgtgttt 60  
 ttgcttcttt gtacgtttct ttctcgtagc gaatctgctc ttcttatca ccatgaactg 120  
 ttcttgggga ggaagcggat gaattattat aagcccaaca gtgcatagg aacancatca 180  
 tcanctagt accacgctcc angcagtaat gggaggaagt tgatgagtgt ana 233

<210> 17248  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-038-Q1-E1-C2  
 <400> 17248

catantacga cagaagggga tcaaaggggt ttttaggggt tcgtcactcg ccgataatcc 60  
 tctctctcta gaaaacatga ctgccgaaca gaaagtggag ctgccgccca aattggaaga 120  
 gcagaagatc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nccggtggcc ggtcaaagca 240  
 aagcagaagt gagaaaaaga gtcgtaaagc tatgttgaag cttgggatga aaccaatcac 300  
 tgggtgttagc cgtgtcaccg tcaaaaagag caagaatatc ttgtttgtga tatcaaaacc 360  
 tgatgtgttc aagagtccag cttcagatac atatgtgac tttggtgagg ccangatag 419

<210> 17249  
 <211> 81  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-038-Q1-E1-C3  
 <400> 17249

actgattcgn aatacgacag aagggatctg tttgttggga agcgttagtt gttgttagtt 60  
 tcgatgggac ttcacgacc a 81

<210> 17250  
 <211> 179  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-037-Q1-E1-A5

<400> 17250

gaaggggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac gacagaaggg 60  
tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga agggcacggc 120  
tgcgagaaga cgacagaagg gccnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnngcggcc 179

<210> 17251  
<211> 346  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-037-Q1-E1-A7

<400> 17251

ggctgcgaga agacgacaga aggggtacggc tgcganaaga cgacagaagg gtacggctgc 60  
gagaagacga cagaagggtta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120  
acgacagaag ggtacggctg cganaagacg acagaagggt acggctgcga gaagacgaca 180  
gaaggggtacg gctgcgagaa gactacagaa nggtacggct gcganaagac gacagaaggg 240  
tacngctgcn anaagacgac agaaggggtac ggctgcgaga atacgacana aggggtacngc 300  
tgcganaana cgacagaacg gtacggctgc nanaagacga cagaac 346

<210> 17252  
<211> 415  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-037-Q1-E1-A8

<400> 17252

ggaactcaga atgggtactct cttgttgtat tcatggggat ttttcaagga ttgcagcgat 60  
cggtttgttg atctcgctcc aaattccggt gatgctctac tgaagctcga tgaggacaga 120  
cttatcactg gatgtgataa tggaataatt agccttgttg gaatactgcc caacagaatc 180  
atacagccga ttgggtcaca cgactaccct atcgaagatc tcgctctttc gcatgataag 240  
aaatttctcg gtagcacagc tcatgacagt atgctgaagt tgtggaacct agaagagatt 300

ctagaaggtt ctaatgtcaa ctctgggaat gcatctggag ctgcagaaga cagtgacagc 360  
gacaatgatg ggatggacct tgacaatgat ccttccaagt cttccaaagg cagca 415

<210> 17253  
<211> 409  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-037-Q1-E1-A11  
  
<400> 17253

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ggtggggaag gaaagaagga ggaagaggca atgtcagcta ggtattggtg tcacatgtgt 120  
tcacaaatgg tgaatccagt tattggtgcc gagatcaaat gccccttttg ccaaagcggg 180  
tttgtcgagg aaatgagccg tgagattaat ggcggcagca gtagcagtct aaggggaggtt 240  
caagaccctg agattgattt tggtagacagc cgtgcattgt ctctatgggg tccaatcttg 300  
cttggaaatga tgagtaatcc cgtnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng 409

<210> 17254  
<211> 411  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-037-Q1-E1-B11  
  
<400> 17254

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ggagtcttgg aggcattgacc gctcttgtca ctggtggctc taaaggcatc ggggaggctg 120  
tgggtggagga actagccatg ttgggagcaa aagtccacac gtgtgccaga gacgaaactc 180  
agcttcaaga acgcttacgt gaatggcaag caaaagggtt tcaggtcacc acttctgtct 240  
gcgacgtctc ttctcgtgac caacgagtga aactcatgga aactgtttcc tctctctacc 300  
aaggaaaact caacatcttc gtcaacaatg tgggaacgtc aatattcaaa gccgancaca 360  
gagtatacag cagaaaaatt cncctttgta atggctacaa atcnccaatt c 411

<210> 17255  
 <211> 479  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-037-Q1-E1-B2

<400> 17255

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 gtacggctgc gagaaacgac agaangggga gaacaactaa gttaaaggga aagcaaaaat 120  
 gggctgcatt ggtgttgtga atgtaacaag cataaatcca tatctcacia gaagatcaaa 180  
 caaacctac aattcaagaa gaccatcatc catggctgct gcgattagag ctgagtctac 240  
 tgagaaatta gggattacaa ttgaaaagaa tcctcctgag tccaaactaa cccaactcgg 300  
 tgttcgtagt tggcccaagt ggggttgtcc tccaagcaag tttccatgga cttacagtgc 360  
 aaaggagact tgttatttac tacaaggaaa gtgaaagtgt accctaattg atccgatgaa 420  
 ggcgtagaga tcgaagcagg cgactttgtt gttttcccta aaggaatgag ttgcacttg 479

<210> 17256  
 <211> 418  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-037-Q1-E1-C10

<400> 17256

gacagagaga tcttaacaca aaacaaagca aacaccaaaa aaaacagaga tgggttttgt 60  
 tacagatgaa gtgagagcta gggcagagaa atacacagga gatgagatat gccgtgagaa 120  
 gacaaaggag tttctcaagg aagtttctat gcctaattgt ttattgccat tgaaggacat 180  
 tgaagaagtt ggttacgaca gagagacagg tattgtctgg ctgaagcaga agaagagcat 240  
 caccacaag tttgaagcca ttggtaaact tgtctcttac gccaccgang tcattgcaca 300  
 agtgaagtc ngaaagatna agaagcttac cggtgttaan gccaaaggag cctcctaatt 360  
 tgggtcactc tcaatgaact tgtccttggga ancaaccgac aaagttcaag ggaaaatt 418

<210> 17257  
 <211> 487  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-037-Q1-E1-C2

<400> 17257

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caanaagggg acggctgcaa gangacgaca naaaggatac ggctgcgaga agacgacana 120
aagggcgggg agagcgaggg ttgttgctca atgggctgat cctgaatcca aaatcaaaga 180
agccatcnaa gcttgccctg tatactgcat ttcaatgggtg ganagatctg accttgctcc 240
attggagttc cntatgtcaa agcaaccacg aggcaacgtg aggatcgggg ttggaaacac 300
ggttggtgag cgtgtctcca atgtatttgt tgatgtcaag aagttccaag aaagatacgc 360
taaagctatg agcagaacca cannagagac ctcccagaga gaagtacana taagtgcagt 420
agaagcgatt acgtccattt ccaattgggt atactggaga tcatcacctg acacgaaacc 480
attgagt 487
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<210> 17258  
 <211> 481  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-037-Q1-E1-D4

<400> 17258

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tgcgagaaga cgacagaagg gggaagaaga gaanaagaag aaccttaca ttgcttttgt 120
aaatattgta ggtagtttaa ggacgtcact acctacatac atggatttat gtggaactca 180
gatgctgcgc ctctcatcgc ctcatctcaa aacccttcat ttggtgaggc atgcacaagg 240
agtccacaat atagcattag aagagaaggg agagaaacct gaatcagaaa ggctttttga 300
cgccacctt tctccaaagg gtttgcaaca ggtttcgga aggcgcaacc aaatccttga 360
atcaggatta cttaacactg tcgagttagt gataacctct ccgctgtgca gagcaatgga 420
aacttcaata ggaatattta ggggacaagg atatgtcaat atatccgaag actttgcaan 480
```

a

481

<210> 17259  
<211> 467  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-037-Q1-E1-E1

<400> 17259

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agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc gtgaagacga 120  
cagaagggct agttttgctg tcccaatata taatcgggtt ttatgtccag catctccgac 180  
ttccggagtt gtgatggctg gccctctgtt tggcatcatc cggcttctat aaggagcgtt 240  
ggccagcttc gtcgtttttt ctagtcgtcc ggtgtatgag gttcgtatca cgtttaatat 300  
tcgctgtttg gttattataa atccagtaga tccggttatg tctctacttt tgttcaatta 360  
tttcgaggat taatagtctt gtcctgggtgg cctctaacaa ggttatgtgt tgatagcttt 420  
gttggatcta catgtttctt tcgatttant tgtcaaaaca gttctgc 467

<210> 17260  
<211> 487  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-037-Q1-E1-E3

<400> 17260

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ggcgacacaa ggcgcttggc tacgaatgac ctcatcagcc aagtccatga ccaagtcaac 180  
cgtgacttca aaggagcttg gattcctcac ctcccagctc agcggcttaa gaatctcata 240  
tactcccagt gacgtcatca accgtatctc ccttccttcg ttccccggga ttcagccant 300  
cgtcgcacgt agaatctgcc cttttactgg gaagaaagca aacagagcaa acaaagtttc 360  
attctctaac cacaagacca agaagttgca attcgtcaac ttacaatata ngagagtttg 420

gtgggaagct ggcaaaacgt tttgtcaaac ttcgtttatc aactaaaggc tttgaagacc 480  
 atttgag 487

<210> 17261  
 <211> 404  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-037-Q1-E1-E5  
 <400> 17261

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnngtgctgg aagtagccga cgtagcatgg accgcggtgg 180  
 aaacttnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngtcaacg aatccaattt 240  
 ctgatccacg agatcgtgaa ttagaagctc ttcgtcaaga gaatcgtcgt ctcaggactt 300  
 tgcttgaatc gaatcttaaa ctctttgaga ctctcgtgta atctgctgcg ttctctcatg 360  
 attgccctag cgacctctat gctaggcttg taacgatggg tact 404

<210> 17262  
 <211> 128  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-037-Q1-E1-E9  
 <400> 17262

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 ggattgtttg ttcatttgtc attacaatct attgacttta taagacaatt tgaatgggtca 120  
 tttggcta 128

<210> 17263  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-037-Q1-E1-F11

<400> 17263

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ttctggaagc tcttcaattg ttgatcgtg actggaaaaa gatagaagat ttgtttggtt 120

caaagacagt tattcagatc aggagccatg cccaaaaata ctttctaaag gtccaaaaaa 180

atgggacttt agcacatggt ccacccccta ggcctaagcg caaagctgct tatccatatc 240

ctcaaaaggc atcgaaaaat gctcaaatgt cgcttcacgt ttccatgtcc tttcctactc 300

aaataaataa cctgcctgga tatactccat gggatgatga tacatctgca ttgttaaaac 360

attgctgtaa gtgggggttat tccaccaaga agatgaactt gatactcctt gtg 413

<210> 17264

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-037-Q1-E1-F2

<400> 17264

ctgttacctt ccgtncccg cnaaatcaa gggctgaccc acgcgtccgg gacgacagna 60

agggttntgg ttaagggtna aatgccactc gaaccagag ctagctggtt ctccccgaaa 120

tgcgttgatg cgcagcagtt gactggacat ctangggtaa agcactgttt cgggtgcnngc 180

cgcgagagcg gtaccaaact gaggcaaact ctgaatacta gatatgacct caaaataact 240

gggggtcaang tcggccagtg agacgggtggg ggataagctt catcgtcgag agggaaacag 300

cccggatnac cagctaaggc ccctaaatga ccgctcagtg ataaatgang taaggggtgca 360

gagacagcca ggaagtttgc ctagaaagca gccacccttg anagantgcg taatagctca 420

ctgatcgggc gctcttgccg ccaanatgaa cggggcta 458

<210> 17265

<211> 392

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-037-Q1-E1-F6

<400> 17265



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tcaatctcat tatgtgaaag ctaatggatt gtctacaaca aaaaaactca gttctatttg 120  
taaaacctct gatttgacta ttcacaagaa atcaaaccgg actcgcaagt tttctgtttc 180  
tgcagggtat cgagatggaa gtagaagcgg aagcagtggg gatttcattg ctggttttct 240  
tctaggaggt gctgtctttg gcgctgttgc ttatancttt gctccacaga tccgaanac 300  
ggttctaaat gaanaagacg antacaattt tgagaanccg aaacaccaac gtactacnat 360  
gaagggtttan aggaaancaa ggagagacac tg 392

<210> 17266  
<211> 542  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-H10  
<400> 17266

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cccangcgtc cgccacgcg tccgtacggc tgcgaaagac gacagaaggg ggatccttcc 120  
aaagaatctc caaaatccct aaacttcgaa aatggcagaa accgccgaga caatcaacac 180  
cacgatctca tcgccgccac cggaatccga aagctccacc actatttctg caatgacaga 240  
tccaacatct caagaagcag cctcaaaaga cacagatctg acgaaagaag ccgantcaga 300  
gaagaaacca ggaggaatct ctctccgaat ctggccaccg actcagaaaa ctgcgcagcg 360  
cgttctgaat cgcctgatcg agaccttacc caccgaatca atcctctcta aagagatacg 420  
gtactcctta aatctgacga tgcaaacaac gttcgccgaa aactttatcg aaagaaagaa 480  
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aa 542

<210> 17267  
<211> 516  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-H2

<400> 17267

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aagacgacag aagggtagc tgcgagaaga cgacanaagg atacggctgc gagaagacga 120
cagaanggta cggctgagag aagacgacag aanggggaaa acgaaagttc cgaagaanaa 180
gaanaagaag gagaaaagat gatttaccga aagtggagtt tgctgtccgg cccaccggtt 240
atcctcggcg gagcggtaat tgctgccgtc nccgtcggat tcgtcttgca aaacgtaacg 300
aaagggggag cagaanaaga atgtctcaac aaacaagggtg agaagacaaa tggagagatg 360
ctacanaatg tggatgatcat gtgatttgat acaatttagn tcatgcagtg ttataagctc 420
aataatgcct ttngtaanct tttgaatata cagctctttg tgggggtttt tangattccn 480
tgttaccaan taatgataat tcnattttcc aaaaaa 516

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<210> 17268  
 <211> 515  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-034-Q1-E1-H3

<400> 17268

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cgcgtccgtc gctgagagaa gacgacagaa gggtagggct gcgagaagac gacagaaggg 120
ggtcctttca acaattcaat ggcagacca agagttgcag ttgttactgg ttccaacaaa 180
gggattgggt ttgagatttg caggcaacta gctaacaatg ggataactgt ggttttaact 240
gcgagagatg aaaacaaggg tcttgctgct gtccaaaagc tcaagactga gaatggtttt 300
tctgatcaag ccatctcctt tcacctctt gatgtctcca acccagacac catcgcttct 360
cttgctgctt ttgtcaagac ccgcttcggc aaactcgata ttctgggttaa taatgccgga 420
gttggagggg cgaatgttaa tggtgatgtt ctcaaaagct caaattgctg aggctggtgc 480
gccaactgat attccaagat aatgaagtga tacat 515

```

<210> 17269  
 <211> 433  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-H5

<400> 17269

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agcatgagaa acgaagttac gaagcagccc agtcttgtcn taccatctct cagaagagct 120  
ttctctctct acgatcagat caatctcatc gataacgttc ctgaggatca gctccgattt 180  
caggagtatt catctctctc agtcatgttc ctaatttgac taagtancaa gggaatttgg 240  
attttcgggt atgaaatgaa tcaattaatg ggtgcttttt gcaggtttga tganacnant 300  
ttcacngtga atgggggttaa attcgaaagg aagcntgcnc cgtggttgggg aatttgctaa 360  
tgtnatggaa ncctcggtac ttctccgaca tcacnacggn taggnccnag taccancttc 420  
tccttctctc agc 433

<210> 17270  
<211> 524  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-G6

<400> 17270

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acnagctgcy agaagacgca gaagggggag actcagaaaa aaattcaaaa tccgtaaate 120  
tgatgatgca ttccgtttca cggctcgaga ggaggttctg tgcaacgctc gctactgcta 180  
cggcggagat tagcggcgag gctgctgctt ctgttccgac gaaggcgaaa aagcatcggt 240  
caatatacaa gaaactctca agccttggca cgaggggagg agggaaaatg gaggaaacgc 300  
taaatacagtt cgtcatggaa ggcgtacctg tcaaaaaaca cgacctcatt cgctacgcaa 360  
aggatcttcg caagtttctg caacctcaac gcgctctcga ggtctttgag tggatggaaa 420  
gaaaggaaat agcgtttact ggcagcgatn acgcgattcg tttgaatcta attgcaanag 480  
agtaaangct tanaggcggc tgagacctac ttcaacagtt taga 524

<210> 17271  
<211> 392

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-035-Q1-E1-A1  
  
 <400> 17271  
  
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 tcagcgacga tatccgtaga cgatttttac ttgactgcag aaggccaggc tgaattgaga 120  
 aaaaagaatc caggaaatgc acttctagag tatcgtggaa atgcaggaag tcatgatctg 180  
 aaactttctg ttgaaacact agaagccctg tcgaaactga ccaaagaagg cttaaagatg 240  
 aangtaccta agtacaataa agtctgccta tagtgggana ngtgacaagg gccgaatcat 300  
 caacatggnc tgaagttnaa aggaacctct anccgggtta attccccctt gangggatgg 360  
 gatgncttgg gnttttaag cctcttccaa gc 392

<210> 17272  
 <211> 408  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-035-Q1-E1-C6  
  
 <400> 17272  
  
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 catttccgtt ggtganagtg gtnatcgtct cactcgtgcc tccaaggngt tgggagcacc 180  
 tcagtggaca aaccctgtc ttctctaagg cgaggtacac tgtgaggtct tttggnatca 240  
 ggcntaatga aanattgcg tgttatgtga ctgtgagatg tgaganngca atgcancntc 300  
 ttganagtgg tttgnaantt aatgagtatg agcttcttan gaggagcttc agtgacactg 360  
 gttgcnttgg atttggatat caanaacaca ttgatcttgg gatcaaat 408

<210> 17273  
 <211> 495  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations

<223> Clone ID: LIB35-035-Q1-E1-E4

<400> 17273

tttagtnagc ccggccccggg ccgaaactac ccgggtccnt ccacgcatcc gtaacggatg 60  
ncnannaaca ncagaagggg ttggntcaac catgatgaat gcgaagacct atacttgctg 120  
ttagtatatg cttcgtcatg ggctatatct gtttactatg ctttccaacn aacttggaag 180  
cctttcaatc ctattcttgg ggagacatat gagatgggtca accatgggtg gatttctttt 240  
atctctgagc aggttagcca tcatccacca atgagtgtgt gtcatgccga gaacgagcac 300  
ttcatttacg acatcacatc aaagttgaaa actaaacttt tgggtaactc tgttgatgtt 360  
taccctgtgg gaagaacgcg tgtaaccctc angaaagatg gtgtgggttct ggatttggtg 420  
ccgcctctca ctaagattca caatctaata ttggacgaa cctgggttga ccacctgggg 480  
aaatgggcat gacaa 495

<210> 17274

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-035-Q1-E1-F4

<400> 17274

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ttcgtcgccg ggaggaatga nccggttgaa tgagcaaaan gggcccaant tgcacggcga 120  
anaatcacct ccgcctgatt ttgatgaana tcgaagtgtg ggtgaggtag acggaggaga 180  
tcacacgcca ttcgtggtan gtaaagtcag aaagaaagcn tctcgctata nagagcatcg 240  
tggtgactat cttcacgttt cttctcntcc tggattgaag cnaattctgg agaaacaagg 300  
tgatacatcg attctttttg ctgataaagt tttgaagttc accggctcgg ggaanatgaa 360  
acggcgtatt tttatcctca ctgattttgc gatctancta 400

<210> 17275

<211> 386

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-035-Q1-E1-F7

<400> 17275

aaaaaaaaa nnacacacaa cagtttcaat ggccgcctca acaatggctc tctcctcccc 60  
tgctttcgcc ggaaaggctg tnaacctttc ccctgcggca tcagaagtcc ttggaancgg 120  
ccgtgtgaca atgaggaaga ctgttgccaa gccaaagggc ccatcatgca gcccatggta 180  
cggatccgac cgantcaagt acttgggtcc attctctggc gagtcacca cnetacctta 240  
ccggagagtt ccccgagac tacggatggg acacagctgg tctatccgct gaccccgaga 300  
cattcnnaag gaaccgtgag ctagaantta tccanagcag gtgggccatg ntenganccc 360  
tanggtgcgt cttcccnaa cctttg 386

<210> 17276

<211> 478

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-035-Q1-E1-G2

<400> 17276

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gtcgcagtga ccaggcccg ggcactgttt accaaaaaca caggtctccg caaagtcgta 120  
agaccatgta tgggggctga cgctgcccc gtgccggaag gttaaggaag ttggtgacct 180  
gatgacaggg gagccggcga ccgaagcccc ggtgaacggc ggccgtaaca ataacggctc 240  
taaggtagcg aaattccttg tcgggtaagt tccgaccgc acgaaaggcg taacgatctg 300  
ggcactgtct cggagagagg ctcggtgaaa tagacatgtc tgtgaagatg cggactacct 360  
gcacctggac agaaagacct taaagactgt cccaagggaa gcttttacct acttagatgg 420  
ccaaaagaag tttgtcgaaa tcnaccataa tgatttgtat ccatactac tantcaac 478

<210> 17277

<211> 378

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-035-Q1-E1-H1

<400> 17277

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tctttccaat tcatataatc aaacctctcc tcattccttc actctccgca attctcggtc 120  
caattttgag ttccaccggt tacgattaga tgtggagtct cgaagaagaa gcacttcttt 180  
acgggtccaat tgctccacca aaggtacaga ttcaggtgaa aatgagaaca aaagtgtggt 240  
agatgctttc tttttgggga aagcattagc tgaggttatc aatgagagaa ttgagtctac 300  
tgttggagaa atgttgagta ctaatgggaa gtttcaagct gagcaacang gaacaattca 360  
agagattcag ggagaggt 378

<210> 17278

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-035-Q1-E1-H2

<400> 17278

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atcacagtcc gtcacatgc agttgataaa acttaccaat caggctctct tttcccaaac 120  
canggttatt taccaagtag aggctttggt tctaagatat tgaagcatgg gggttaggtg 180  
gaaacaaggc tanggaaatt caacaaaaat accaagaaaa gagaagagct tttcactaac 240  
caacgtcnaa agatngactt gaaaacgttt acgaactggg aagattcacc tgagaaaatg 300  
atgatggata tgatgggtaa tcctaattgct cctagaaagg gaagaagaag taatgaatga 360  
aaanacgaga actggggttg atatatacac acntatacct tgggttg 406

<210> 17279

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-036-Q1-E1-A1

<400> 17279

gaagggtacg gctgcgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngcg gccgctctan 120  
 aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttctatag tgtcacctaa 180  
 attcaattca ctggccgctg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 240  
 acttaatcgc cttgcagcac atcccccttt cgccaagctg gcgtaatagc gantaggccc 300  
 cgcacccgat cgcccttccc aaacantttg ccagcctgaa ttggcnaaat ggggaanccn 360  
 cctgttagcc ggngcaatta agccccggcg ggtgttgtgg ttaacncca aacgtgaccg 420  
 ctaacacttg ccancgc 437

<210> 17280  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E1-A3  
 <400> 17280

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 aactctctcc atggctgttg cgctccaatt cagccgatta tgcgttcgac cggatacttt 120  
 cgtgcgggag aatcatctct ctggatccgg atctctccgc cgccggaaag ctttatcagt 180  
 cgggtgctcg tctggcgatg agaacgctcc ttcgccatcg gtggtgatgg actccgattt 240  
 cgacgccaag gtgttccgta agaacttgac gagaagcgac aattacaatc gtaaanggtt 300  
 cggtcataag gaggagacac tcaaagctca agaatccaag agtacancaa ntgatataat 360  
 tgggngacac tgaaaacaaa ttggtatacc taatccttgg ggaaatgtta ccggtgaaac 420  
 nccc 424

<210> 17281  
 <211> 504  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-034-Q1-E1-C2  
 <400> 17281

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gtccgcccac gcgtccgtac ggctgcgaga agacgacaga aggggaaaaa taaaaaaaaa 120  
aacagagaaa aggagatatg gaatcaatcg gagtccttat gatgtgcccc atgtcctcct 180  
acctcgagaa cgagcttgag aagcgcttca accttcttcg cttctgaact tctccggaga 240  
aatccgtcct cctagaaact catcggaact ccatccgcgc cgtcgttggg aatgctctgc 300  
cggcgccgat gctcagctca tcagcgatct gcccaacctt gagattgtat ccagcttcag 360  
cgtcgggctc gacaagatcg atttggggaa atgcaaagaa aaaaggggat ncgctcacc 420  
aacaccccc gacgttctca ccgaaagacg tcncagatt tcgccatcgg gcttatectg 480  
gntctccttc gacgggctnt tgtg 504

<210> 17282  
<211> 482  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-C3  
<400> 17282

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gtccgtacgg ctgcgagaag acgacagaag gggaaaaata aaaaaaaaaa cagagaaaag 120  
gagatatgga atcaatcgga gtccttatga tgtgccccat gtcctcctac ctcgagaacg 180  
agcttgagaa gcgcttcaac cttcttcgct tctgaacttc tccggagaaa tccgtcctcc 240  
tagaaactca tcggaactcc atccgcgccg tcgttgggaa tgcttctgcc ggcgccgatg 300  
ctcagctcat cagcgatctg cccaaccttg agattgtatc cagcttcagc gtcggggctc 360  
gacaagatcg atttggggga aatgcaaaga nnangggatt cgcgtcacca acacnccga 420  
cgttctcacc gaaagacgtc ncagatttcg ccatncgggc ttatcctggc tctccttca 480  
cg 482

<210> 17283  
<211> 510  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-D1

<400> 17283

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tctttctcta cactttcatc taatggccgg cctgagatgg aganagtggg ggaacacgat 180  
ggccttcccc acccggcgta tctggaatcg tttcacggtt cgcgtcgggt ttcnacacag 240  
cggacttttg aggttanaac atgacgtgag ttcttgcgag tatgaagaca tacacntaat 300  
gtggaatttg ttacacanga atgnagatct tacacgcgta caatccaaca acaacancna 360  
caagaggaag aaancttggt ggaaccttcc ttggttcgta tcnttgccaa agattctgat 420  
tcgtnttatg atataannca nancattggt gtatttgaga nagnctttac tggtccttg 480  
caattntggt gttggtttna tgacaacttt 510

<210> 17284

<211> 509

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-034-Q1-E1-C1

<400> 17284

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tccgtacggc tgcgagaaga cgacagaagg ggaatcactc gaaaactcat caaatcaana 120  
atcaaacaca gagaagagaa aatggccgca gaaggagaag ttatcgcttg ccacaccgtt 180  
gaagattgga ccgagaagct caaagccgcc aacgaatcca agaaactgat tgtganagac 240  
ttcactgcaa catggtgccc accttgccgt ttcatcgac ccgtctttgc tgacttancc 300  
aaagaagcac ctcgacgtag tcttcntcaa ggtcgatggt ngacganttg aacaacnggt 360  
tgctgaggag tttaaaagtt caagcaactg ccaacgttta tcttcatgaa agnaangana 420  
nntcaaggga gaccgtnggn ttggtgctgc ctaaagaaga aatcattgca atctcgaaga 480  
aancacaaca cagttgttnc tgccgcttg 509

<210> 17285

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-034-Q1-E1-D10

<400> 17285

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agacagatat tgttttttcn tctgattaga agaataatat gacggaagtg attancaaaa  180
cgagtttggt cntaagagct tgtggtaatc atcaccgtgt tgatgatttc cccttcccc  240
cggtnagttt tgggtgggtt ggttttaaaa aaaatttccc ctgtctgaaa ccttaaaatc  300
aagaaccccc ttaaaaantg taattttacg ggaaaacaag atngttttcc ggagaatcnc  360
aaagacgaaa agcttcaaaa agatnatcca gctatcacia gctcanacaa ctttgaggga  420
ttgggacaan ctcaaaa                                     437

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<210> 17286  
 <211> 441  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-034-Q1-E1-D3

<400> 17286

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gtgtctcttc ctctcttcac tcaccgccgc cgtcgtcacc gccgccgaat ccgatactcc  180
gacggcttat tcactcctcc aaagctacaa ctccccgtc ggaatccttc caaaaggagt  240
cgtagcttat gatttagacn cancaacagg caanattcca tgctntttc nacgattcat  300
gtngcttcaa tctttgttgg ttccttanca nttgaathta caaatcaacn ctcaagtgg  360
ttacatctcc ggagaancna agctcangaa atttgcnngg ttgtttaaaa gtccaaagtt  420
ttgttcnttg gtggcctaaa c                                     441

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<210> 17287  
 <211> 471  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-D5

<400> 17287

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ccacggtgga cgccgcaagt gcccanaaga agaaacanag ctcttaattg ctgcagataa 180  
tgggacgatg tcgttttggt agtatttact ttggcgata tatgtggatc gaataataaa 240  
cgagaacgta cgttgtcntt gtgagtgtga gtactgtatt aataatggtt ctatttggtt 300  
ttacntgcan gttttccttg ttttgaaatt ttgttttttt catatttgta tatcgattcc 360  
gtgcattaat tgtagtaatt caatttgtaa taagattatg ttaccctann nnnaaancnc 420  
anngaggggc cnttgnagc naaaaacccg ggcgccccta naaggattcc a 471

<210> 17288

<211> 529

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-034-Q1-E1-E1

<400> 17288

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cngctgcgaa gaagacgaca gaagggatgg tatcacaata ttccaagaaa gtcgatgaga 120  
ctctgaagct aggactcaaa caagctgtac ttgtcnggtt gttcttcgga ggactaaacg 180  
cagctttcac attatctggt attacgggtg ttanttatgg agcatactta acaatatatg 240  
gttccatgac cgttggagca ttcaacttct tcagtcttta tagcctcaca gttggttcat 300  
cggatccctc cttatcgagt ttgtacacaa ctgcatgna agctgcaagc gnaagtana 360  
cnaatttttc aagatcttgg gccngtggtt cctagcatgt tcaanttcan ggggataaag 420  
tgtcccnntc cgtaatcccg atgggagaat gtnggaantt aaatgatgtc cnggggtttgc 480  
ctaaccctct ccgtccctaa tcacatgatc ctcaanggga atacctttg 529

<210> 17289

<211> 472

<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-E12

<400> 17289

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cgtcgtttca gtaccataaa ggagctctcc tcaccggaga cgtttccatc aacctaattct 180  
ggtagcgtaa gtttaaaccg tcgcagcgtg caatcgtaac cgatttcggt gcttccctct 240  
cgtcttcccg gagatcgacc atggctcaaa atccctcagt cgccacgtgg tggaagacgg 300  
tggaagaagta ttaccaattc cgcaagatga ccacgacacg tnggactcaa gtctctccct 360  
cggagaacag attcctcgaa caaagggata ctcaatggga aaatctttaa caagagaaaa 420  
aacctcaaag acttgccgc aaaaggtggc caaagctacg cggttaacgt cn 472

<210> 17290  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-E7

<400> 17290

atggagctct gcaccaggtc taccacaatc atcactcatc tccctgcgag cttcaacggc 60  
catggatata tagcgggaaa atctgttgat agaatctcac ttcctctcca gcgaaacgtt 120  
gcgtctctcg ttcttcaatc ccgcacgttg cgttgtagta gaaagtttcc aggagaaaca 180  
gttactgaag aaacatcaac aggagtcaat gagtttggtg tggaggatcg tgatggagta 240  
gttggtgcag ccgaagagaa aaactcgaat agtggtgcga tagttgctct ctacttaacg 300  
tctgcaatcg tcagttcact cgaagcaatc cctctgtttc ctaagctaata ggaagtagtt 360  
ggtctcgat acacactccn ggttcactac ccgttatctg ctatttaaga ggaacaag 418

<210> 17291  
<211> 468  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-F12

<400> 17291

gcgtccgtac ggctgcgaga agacgacaga aggggggactc cgagatggta gcgttgccctc 60  
tgttaccgac tccgatagaa tcgaactaca gggcttgcac cattccttat cgattccctt 120  
ctgataatcc tagaaaggct actcccactg agatctcctg gatcgatctc ttctccaatt 180  
ccatcccttc tttcaaggaa cgtgcagaga gcgatacaac cgttccagat gctcctgttc 240  
gagctgaaaa gtttgccaaa aggtatgcgg agattcttga ggacctgaag aaagatccgg 300  
agagccatgg tgggccaccg gattgcattc ntctctgcag aattcgtgag ctgatactaa 360  
gagaattggg atttaaggga catatttaaa gaaagttaag gatgangaga atgcaaaggc 420  
aatatcacta tttcctgaag ttgtccgttt gagtgatgct aattaacg 468

<210> 17292  
<211> 578  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-F4

<400> 17292

aaactgggtt ntgcctgtgg ccccttacgg cctccgggaa attcccgagg ttcgaccac 60  
gcccttcctg tacnngcttg ccgaagaaag gaacgaacan gaangggggg gaagaaataa 120  
gattngaaga agaangaant aatttggatt atccntggtn agaaaaatta tgggctggct 180  
tcaatngatg ccnacctccg gttacatttg aaanccaagc ctgggttttc acggttggag 240  
aaagaccggt tggctaagaa ggattaccgt cgctcacaaa gagctcgtcc ctcttcaaa 300  
attgtcgcca gtggcgtaa gaagatcagg accgacaagc ccttcggaat taacggcagc 360  
atggacttga gggacggcgt caacgcctcc ggcagaaagg gcaagggata cgggtgttac 420  
aagttcgctg acaagtntgg agctaacgtc gatggataga gtctatttn caacgagaac 480  
gaatggtcag cgagtggatga cgtnttcaag gggaggagtc nccgggattg gcaatttggg 540  
cngtaactct cgccnggaat tcttgcnnga ggtgctcc 578

<210> 17293  
 <211> 386  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-034-Q1-E1-G11

<400> 17293

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acagaggcta gagagaatgg gatgggaata agcttgtttc gcaggttatc agaagcccat 60
cctcaggcaa tttcagtgtt aaaaaaccag taccgaatgt gtcgaggtat tatggaacta 120
tcaaatgcct tgatatatgg agacagatta tgctgcggtt ctgctgaagt agctgatgcc 180
acacttgctg tttctacctc cagttctact tcgccatggc ttaaaaaggg tctggagcca 240
acaaagaaca gtttgntantt gttaatacag atatgccgcc tgctttttga agctanggat 300
taagatgcca ttaacaatcc aatttgaagc cttcaatata acctgaaatn ttnaaggacc 360
tanttaacaa tggngtttgt aattaa 386
```

<210> 17294  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-034-Q1-E1-G5

<400> 17294

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agaaggggga gaaagatcga atcgaagaat ggcagaattc gttgaagctg ataacgcaga 60
agcaataatc gcgaggatcg aaaccaaadc gaggaagatt gaaagcctac tcaaacagta 120
caaacatgta gaagctttga aaacggctct tgaaggttcg cctccgaaaa ctgcgatga 180
acgttgcaag tcggctaatt ggatagttgt gcacagagct ttaatggcca ttaaggatat 240
tgacggaatg ctcaatgctc ttgatgtcga atattacgac attctcatga agtacttgta 300
cagaggactt tctactgggg accgacccat ctgcgatcag tgctgaaga tcacgagaaa 360
ctcactgaga anagctggtc tcggttgcan tctccgatgt cctactgata ccatcaacac 420
cgtttgatca ac 432
```

<210> 17295  
 <211> 481

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-G12  
  
 <400> 17295  
  
 tagccgtcgg aaaaggaatt cnggcgtcga cccacgcgtc cgtacggctg cgagaagacg 60  
 acagaagggg ccctgaaaaa atttcataat tcaaagagtg ttccttgag agaaaagttt 120  
 catcctttca acagatctga agaggggtcaa ttgaaattcg ttttcacgat tcatccgcc 180  
 tttttccggg gaaaaaaca aaggtgagat caaagaggaa aaatggcgca tagggtagaa 240  
 caggattatg attatttgtt caagatcgtg ttgattgggtg attctggtgt cgggaaaaca 300  
 aacatcttgt ctagattcac aaggaatgag ttttgtttgg aatctaagtc cactattggt 360  
 gttgaattcg ccaccagaac tcttcaggtt gaaggaaaga ctgttaaggc ccagatatgg 420  
 gacactgcan gtcaagagcg gtatagagct atcacaagtg cttantacag aggaacgggt 480  
 a 481

<210> 17296  
 <211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-G7  
  
 <400> 17296  
  
 agacgacaga aggggtcgacc aggacggcgg atccctcgac caggacgatg aatggtcgat 60  
 gaaaatctat cgggttcgag gaatggtcga ccaggggttg aaatcgtcga ccagggtccga 120  
 gacttcacg accgtgtccg aggagtgggtc gaggatttgt cgaccaggag ttgaaatcgt 180  
 cgaccgggac cgagaattcg tcgaccagga cggcggaatg ctgaccagg acgatgaatg 240  
 ggcgatgaaa atctatcggg atagaggaat ggtcgaccag aagttggaat cgtcgaccgg 300  
 gtccgagaat tcgtcgacca ggacgaggag tggtcgagga tttgtcgacc aggagttgaa 360  
 atcgtcganc ggggtcccgag aattcgtcga ccaggacggc gggaacctcg aacag 415

<210> 17297  
 <211> 489



<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-H10  
  
 <400> 17297  
  
 ctccgganaa ggaatcgggc ntcgaccac gcgtcantac ggctgcgaga agacgacaga 60  
 agggggctta tccttangac acgaaaacat gttccatttc aagtaaaaga gttgagagtc 120  
 acgaaagcag ttctctcctg ggatgtctaa gtcagngctt gttgatggtc tttgtcttcc 180  
 tcctaattgat ccaaagaaga ttaataagat gattaggaaa cgaatcaaag acacaactgg 240  
 ttcaaactgg tttgatatgc ctgcaccaac aatgactccg gagttgaaaa gagatcttca 300  
 gttgcttaag ttgagaactg taatggatcc tgctgtacgc tacaagaaat ctgtgtcacg 360  
 gtcaaagcta ncctgaaaaa tatttccang attggtacag tnattgaanc acctgaagag 420  
 ttctatggaa gattgactaa gganggaata gaaaagcaac ctctgcccng atgaatttgg 480  
 gtttcaaat 489

<210> 17298  
 <211> 254  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-H5  
  
 <400> 17298  
  
 agaaggggct agaaaatcgg ttcaagacta cggtgaccgg tttggatggg attctgttga 60  
 gaaagcaatc aaggcggctg aaaaagaaac tagaacgcat tgagatggaa gatcaagagt 120  
 caagaaaaac attactcttt ggtttgtaca tgtatgtaca tagattgtat agagcnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnngc ggcc 254

<210> 17299  
 <211> 458  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations

<223> Clone ID: LIB35-033-Q1-E1-H6

<400> 17299

gcgtccgtac agctgcgaga agacgacaga agggggggagt gaaggnnnnn nnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnntcatct actttcttca accttcgagt ccatcaatgg tcactctcga gaccaacaca 180  
atcattctat agatgatttc gagagcattt tcgacatcac cattgacgat ttaagctgct 240  
ctaacgaact cacgtgggat ttctggnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnaaaagatc gagtactgat caagaaggct caagttttgg gttttgggag aataagccga 360  
cggattatga agacaaagac ttgggtctga anctgaatct gaaccatcaa gaagttatcg 420  
atgcttggtc tgatcancaa gaaacctctg tngacaga 458

<210> 17300

<211> 501

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-033-Q1-E1-F3

<400> 17300

aactggtttg cctgtnccta cgcggcgga aatcccgant cgaccacgc gtccgtacgg 60  
ctgcganaag acgacagaag ggagagagta gtagcttatg ggagttggag aaaagaacct 120  
attgtccaag aaaacgagat tcatcgtcag atgtcaaaaa ccgattcctt aactaacac 180  
ttgcacctga agatgtcaag gatggaatt tgcatttcc ttgtcaattc atgagaatta 240  
atggcatcaa caagcctggg cagataactt tggtgggtag aggcggtatg aagtggtttg 300  
catatttact gtcaggagat ggaactgccg ttgtgggaaa tggttggaaa ggtttttgtg 360  
aggcgaatgg tgtgatgtta ggagagactt ttgttttgga ttcatccca nagatgatac 420  
aaatcatgta gttaagttct acaccaagta gggagaccaa atacgtaa atgttaagtaag 480  
tacttttcaa gattcncaaa t 501

<210> 17301

<211> 510

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-H8

<400> 17301

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gtggttccct ggccctacca gtccggnat tcccgcggtc gaccacgcg tccgcccacg   60
cgtccgcccc cgctccgac ggctgcgaga agacgacaga agggggctct ctgaatattt  120
tagagagaga atacgtctct cttctcgccg tccggtggtt atccggctac atgtccggcg  180
tcttccgttt ttctcaacgg tgatggccgg ctttcgtcta gcaccgactg gcttcctaag  240
tagcggtggc cagcttttgt ccggcatcga cgggctaacc tagcggccat ggccggattc  300
tgtttttgct ttaatttttc aattatgttt ttaatttgct aataatctca tcggatctac  360
gattagggat gttgatctgc catatccacg gtggttcttc cttgtctcct gtcctttgag  420
tttactccgg attcgaatta agnttcctaa ctctcaaag ataaaatttc cggatncctt  480
ttcctttggn cctccnagat ttacaagaaa                               510

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<210> 17302  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-034-Q1-E1-A11

<400> 17302

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acanaaaaaac attttttctc tatanatcct ttattattgt tataaaaaact ccgatggatc   60
ggcaaaattc cgatgacatc atgagatttc tcgatggaat ggctagctcc gacgacgttc  120
ttttcggttt tcttgacgaa ggaaaccagt caccggaaga tttctccgta aacctcaacg  180
ccggcgaaga tgacggtgac naagacgacn ataatacaa ttctgaagat aacaaagctt  240
tttggcagga acacgaacaa cttcttcagg ggacactgta taggacaagt tccattgaga  300
canagattag acaagctaca aangaagcgt tgatncaagt taaatctaag ggtctttatt  360
gtgtttgccg gcgaccagtg gacggcggtt gccggagttg cttacgtggc gaaatct   417

```

<210> 17303  
 <211> 382  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-A3

<400> 17303

tttcaaaaaa aaatcagaaa ccgtcaaaaa gccaccgttg atatttcttc cttgttgctt 60  
cttcaatggc gtcgttcgac gaagcacctc cgggaaaccc cgaagccggt gaaaagatct 120  
tcagaaccaa gtgcgctcag tgtcacaccg tcgagaaagg tgccggtcac aaacaaggac 180  
cgaatttgaa tggattgttt ggaagacaat ctggaacaac tccaggatat tcttactctg 240  
ctgctaacaa aagcatggct gtnaattggg angagaagac tctttacgat tacntgttga 300  
atcccaanga aatacatccc tggaacaaaa aatggtgttt cctggactga aaaaaccgca 360  
agatcgtgcc gattctcatc cn 382

<210> 17304  
<211> 429  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-A7

<400> 17304

agaaggggga tgtggcaagg ctacacttgt gtttgactt gattatcttt tcaagacaac 60  
aaaaaagaag tcagcgacga tatccgtaga cgatttttac ttgactgcag aaggccaggc 120  
tgaattgaga aaaaagaatc caggaaatgc acttctagag tatcgtggaa atgcaggaag 180  
tcatgatctg aaactttctg ttgaaacact agaagccctg tcgaaactga ccaaagaagg 240  
cttaaagatg aaggtagcta ngtacaataa gtctgcctat agtgggagag gtgacagggc 300  
cgattcatca acatggccct gaagttgaag gacctctatc ggttattctc ttttgaaggg 360  
atggatgctt ggttttaagc ctccctccag ctgacgttgt taaaagcagt tgaaccaca 420  
gctggangg 429

<210> 17305  
<211> 515  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-034-Q1-E1-B2

<400> 17305

gcctncctag gggcccgga ttccanagtc gaccangcc tccgtagaga agacaacaga 60  
aggggttctt cagttgggga agaggattct gcggcgccc tgatgttcat gcccctcaga 120  
gcttgccctt acctctatct ttcagagaag ttgctgtagg atggaatcat gctttactac 180  
tgaccgtcga tggtaggtg ttcaagcttg gtagcactct taataaaca cctgagaagc 240  
aacaactgca aatagattcc tctgaagctc tctttganaa agttccggat tttgatggag 300  
ttaagttatg cagatagcag caggagcaga gcattctgct gccgttaaca gagantggac 360  
aagttacgac atggggatgg gggagaacat tggtcagcct anggcctttg gaaataccaa 420  
tgaccaaacc atccctaaat tggtagagcc taaggaagtt tnacacctgc cnaacgaang 480  
naattcaang ttnattgncg gaagttgaat ttact 515

<210> 17306

<211> 503

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-034-Q1-E1-B4

<400> 17306

ctaggcctcc ggaaatccca ggtcgaccca cgcntccgta cagctgcgag aagacgacag 60  
aaggggagga aatggcgtct ggatggggaa taacgggaaa caaanggaga tgctacgatt 120  
tctggatgga tttcagtga tgtatgtctc actgcagaga gcccaaagat tgtacccttc 180  
ttcgtgaaga ttacctcgag tgtctccacc attccaaaga gtttcaaaga aggaacagga 240  
tatacaagga ggagcagcgt aaactaagaa cagcttcgag gaaaggtgaa gaaaccggag 300  
atgggactca caaccatcac tagtctcaaa aatcctcctt caaagcttca tcccgattcc 360  
aagagaanaa taataanaag ggtcaatggg aagatttttg tnccttgga tctctaaacg 420  
ccttgattgt ttttcagttt tcaantttat ccaatcaatg ttctgcttct ttttaagttaa 480  
atcctcncct tgagacgtat act 503

<210> 17307

<211> 438

<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-B5

<400> 17307

agaagggaca gagaacaaac atagagaggt tatagaccgg tttcagatat tgaaggagca 60  
ggaaacagag cgcaagctca agtctcagaa gctccctgat tcagacattg atgttataga 120  
ccggtttcag attctcaagc agcaggaaac aaatcgcaaa ctcaaggctc aaaaatgtcc 180  
aganacaaaa aagggtgacc aggaggacaa actagaaggt tcagtgatgg ctaatatggg 240  
cagaagcagc gatgtgagtg atgttatgga tagattccag atactgaaac gccgggaagc 300  
tgancaantn aagaaatctc tcaacagcat ggatgtagat tccggattca gaatatgacc 360  
agccacaaga agncttgatc atctctgggc agattcntta ttcccaatta ccttngacat 420  
tcctcagaga agnacatt 438

<210> 17308  
<211> 422  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-034-Q1-E1-B6

<400> 17308

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aatcataccg agtcttgcaa ggctagagga tccgatctta cggttcactt cangantact 120  
acggaaacag cgcacgcaat cacgaacctt ccattgatca nggcgaagag gtaccttgag 180  
gatgtgatag ctacaagca ngcatttccc ttcacacggt tctgcacang tggtgggaga 240  
actgctcaag ctannaacag gcaactctaat ggtcaaggga ctttngccat ccaagtctgc 300  
tcactttgtt cctggatttt gctcaagaac nctnagaacc aatgctgaag gttaaaaagg 360  
tttggatntt gatgcccctc ttccatatcc cacntnccaa gttgaaacaa ggccgcatng 420  
ca 422

<210> 17309  
<211> 512

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-034-Q1-E1-B9  
  
 <400> 17309  
  
 cggtcttntt gccctgccct acggaangga atccggctcg acccaccggt ccgtacggct 60  
 gcgagaagac gacagaaggg agacacaggg gccatcacca tgatatgggc agtgacggag 120  
 ctcgttaaaa acccgaaact gataaagaaa gttcaaggcg atatccgaga acaacttggc 180  
 agcaataagg agagaatcac cgaggaagat atcgagaaag ttccttactt gaagatggta 240  
 atcaaagaaa cattcaggtt acaccagca gttcctctta tacttccaag ggaaacaatg 300  
 gctcacatca aagttcaagg gtatgatatt cctcccaaga ggaggatctt ggtcaatggt 360  
 tcggcaatag gaaagagatt ccaaactcct ggacaaaccc gaaagagttt gacctgaga 420  
 aggtttatgg gatagctttt gttgattata ngggacaaca ttacgaactc ctancatttg 480  
 ggtccggctg aaggatatgt cccgggatgc ca 512

<210> 17310  
 <211> 58  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-A1  
  
 <400> 17310  
  
 cncnccctgt naccgngca ataaancccg gcgggtnttg gtggttaccc cccaacgt 58

<210> 17311  
 <211> 444  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-A11  
  
 <400> 17311  
  
 gcgtccgana agacgacaga agggggccga ttagggtttc ttctgtttca ctatatatta 60  
 agtgtctcca actactgaga tctctatcct ctccgcctc tgttcttctc attggccgcc 120

atggtgaagt actctcaaga gcccataat atcgccaaat cttgcaaggc gagaggagcc 180  
gatctcaggg tccacttcaa gaacactaga gaaacagcgc acgccataag gaagctacca 240  
ttgaacaagg ccaaaaggta cttggaagat gtcatagetc acaagcaagc tatccccctt 300  
accggtttct gtcgtggtgt tggtcgtacc gctcaggcaa agaacaggca ttcgaacgga 360  
caaggctcgt ggctgtctaa atctgtctaa ttcgttcttg atcttctcaa gaatgctgag 420  
agcaatgctg aagtcaaang gttg 444

<210> 17312  
<211> 357  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-A2

<400> 17312  
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atcgctgctc ctaaagttga tgcttttata gctgcttctc agagaagatc tcttggcatg 120  
tgtcgaaaat gtggagatct taaagaatgt agcttgtggc cgttgcaaaa gaacaaggna 180  
caatcaaatc aaggaggatt ccttgggttt caagttgact caatcaaaac acaaagatna 240  
attggccttg ccaataaatt tgccaaagcc caaaagggtt gtttccccct gccctgaaa 300  
tngctcaaaa tccttgaaca antttccncc ggtaatttta aaattgggtc aaccctn 357

<210> 17313  
<211> 404  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-031-Q1-E1-H9

<400> 17313  
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aacaggggtc taatctcttc atgggaaaca tcggggattc tcgggccatc cttggatcaa 120  
aagacagtaa cgattctatg gtggcaactc aactgacagt tgatctgaag ccggatttac 180  
ctaggggaagc tgagaggatc aaacggtgta aaggctcagat atttgcgatg gaagacgagc 240



canaggtgcc gcnantctgg ctaccttatg atgatgcacc tggattagcc atggccangg 300  
 cgtttggtga cttctgtcta aaagagtatg gagtcatttc agtacctgaa ttcactcacc 360  
 gtgttcttac agacagngat naantcaatg gtcttgcnc tgaa 404

<210> 17314  
 <211> 484  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-A5  
 <400> 17314

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 tgctaaatgg tgcttagctt accacaagga gaactttgct tacgagcact gggatgacat 180  
 tctagacatc tgtaaccagt atgatgtggc tctttccatt ggagatggtc tgagacctgg 240  
 ctccatttat gatgctaacg aactgctca gtttgcagag ctccttactc aaggtgaact 300  
 aactcgccga gcgtgggaaa aagatgtgca ggtgatgaat gaagggccag ggcattgtccc 360  
 aatgcacaag attccagaga atatgcagaa gcagttggag tgggtgtaacg angcaccatt 420  
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 catt 484

<210> 17315  
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 tattacttct gatttctccg gtgactcgga ggaaactcct atttttgtcg gcgtagccac 180  
 tgggtgcttg cttcttcttg ccgatctcgt taggcgaatt gacttgccaa tagctataga 240

tttcattaga gctgagtctt acggctctgg gtactgtatc cagtggagtt ccaagagtat 300  
catttgactt aaagcttgac atcacgacaa gcacgttgtc ttggncaagg acattgtggt 360  
actggcaata cacttacctg ctgattganc a 391

<210> 17316  
<211> 388  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-A7  
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cagagatggt ggaaggtgaa gaacagagga ggatcacaca cttggatctg agaaacgagc 120  
cccagtttcc aatgggttttc gttagagaat cgacttgttt cgctaaggac gatctcgcta 180  
tcttcccgtc gagactctca gattcgtcct tcttccgtc cgattcagac gaacaatttc 240  
aatttagccg gaaatcgcat tctcancat cggaagatgt cgggaaatct ccgtggaaat 300  
cogtaattga gattgatatt atccaagggt ggtgggaaga ttcttctcg ttcgagtaat 360  
gtcaaatttc cagaatttgg gttacctg 388

<210> 17317  
<211> 383  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-A8  
<400> 17317

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aagaagtggt ggctcgagag ctgagcaaga gagaagaaaa gggattccat ggactgaaga 120  
agagcatcgg tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnta 180  
gacttaaaag agtgaaaaaa gatttgaag attctttacc tttattgaat actctgtttt 240  
gtttggaagg ttgtttcttt tgggtttgga caagtttggg aaaggagatt ggagaagcat 300  
ttcaaggaac tttgtgatct caagaactcc aacacaagtt gcaagtcatg ctcaaaaata 360

cttcatcang cttaactcca tga

383

<210> 17318  
<211> 413  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-B1  
  
<400> 17318

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tggctccttt atgggtcttgc tcttaaggat atctatgttg ccttcccaaa cgtgattggg 120  
tttgttctag gtgcacttca aatgatactc tatgtggttt acaaatactg caaaacgccg 180  
tcggatttgg ttgagaaaga acttgaggct gcgaaattgc tagaagtgag catcgatatg 240  
gtgaagttag gtacactcac atctcctgaa ccagtagcga tcaccgtcgt ccgatcgggtg 300  
aacacatgta actgtaacga tcgaaatgct gagattgaaa atgggtcaagg agttagaaac 360  
agtgctgcaa ctacttgagt ttgctcaaga aancctaata aagaaaccta ntt 413

<210> 17319  
<211> 412  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-032-Q1-E1-B11  
  
<400> 17319

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gcaagcgaga gttcttcatc taagagatgg cttccacttg aatctaacc agatgttatg 120  
aatcagtatc tctggggact tgggtcttgc cctgatgaag cagagtgcaa tgatgtgtat 180  
gggttagacg atgaacttct agagatgggt ccaaagcctg ttcttgctgt tctcttcctt 240  
taccaatca caaaaagag tgaagaagag agaatcgagc aagacaagga aattaaggaa 300  
aagggtgcata gcgataaagt ttactttatg aaacaaactg ttggtaatgc ttgtggaacc 360  
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<210> 17320  
<211> 389

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 17320

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ccccactata gttcaagatg ttcttaactt cgtattgtct gatgaggtcc gtaatcaaga  180
tgcactttat gggaccttcc ggggtgtaagt tgggaangga ntnaaagtna cttggnaatg  240
gntncaagna aagtgggaat ntatangaaa cacatggggc tccggatttc tcataacacg  300
cttcataagt gcaattgtat cgccgtttgc gtcgtttgag aaagccaaag aagtgganga  360
gttttttgca acaagatnaa agccttcga                                     389
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<210> 17321  
 <211> 401  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-B5  
 <400> 17321

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ggtggtggtg gaggtagccg cggaaatgga tccggctatg gaaaggtgga agggagaagg   60
ctccagctgc tttctgtagg aaggctcaga cttccactga taggtttgag atgtggggan  120
atgggcttca gaccggttct ttaccttta tcgatgagtg tgttgaaggt gtactcaggt  180
tgacaaaatc acatttccgt gagccggtga acatcggaag cgatgagatg gtgagcatna  240
atgatatggc tgagatgttc tcagctttga ggaaaanaan ttznaattca ncacattcct  300
ggccccggaa aggtgttctt tggtcctaac tcagaccaac aatcctgatn aaaagaaaaa  360
gcttggggtt ggctccctaa ttattnagat tgaacgaagg g                                     401
```

<210> 17322  
 <211> 398  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations

<223> Clone ID: LIB35-032-Q1-E1-B6

<400> 17322

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atagtgaag atgaagctga aggttgtgta tcgtaaggtc tccgattaca tctgttacga 120  
tctgaaagaa atcgtcttac cttcatcact tcccgatcct cctcacgtcg ttaaagccg 180  
caaattgact tggcacgagc gattcctcgt gttgaaggaa gcttcaaggc tttatgctgc 240  
aagctggggg aagagatata gtcctgaact tcgtcaaaat gattacaaga agcaagggga 300  
tgctgagcct aaaaaacaac caaaaggggg aagagaacna gcctctgttt tggaagatct 360  
tgcggtaact gcaagaagggt ggaatggaga ctttaagg 398

<210> 17323

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-032-Q1-E1-B8

<400> 17323

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agatctgaag aggggtcaatt gaaattcgtt ttcacgattc atccgccatt tttccgggga 120  
aaaaacaaaa ggtgagatca aagaggaaaa atggcgcata gggtagaaca ggattatgat 180  
tatttgttca agatcgtgtt gattgggtgat tctgggtgctg ggaaaacaaa catcttgtct 240  
agattcacia ggaatgagtt ttgtttggaa tctaagtcca ctattggtgt tgaattcgcc 300  
ancaagaact cttcagggtg aaggaaaaga ctgtttaagg ccaagatatg ggacactgca 360  
ggtaagaag cggtataaac tatcacaagt gccttatta 399

<210> 17324

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-032-Q1-E1-C11

<400> 17324

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 ttacagagaa gctatggaat ggttcttact tcaattatga cgatagtggg agtgggtcga 120  
 gctcttcgat tcttgctgat cagttggctg gacaatggta tgcacgagcg tgtggattga 180  
 agccgataac gaaagaagaa tggataaaga aagcactaga gacgatctat gagttcaatg 240  
 tgatgaaagt taaaggaggg acacgagggc cagtgaacgg aatgtcaacg gaaggaaaag 300  
 tggatgcaaa ttogttgggt tcaaaggaag tttgggctgg tactacttac tctgttgacg 360  
 cttgtatgat tcaagaaggg caaagagaaa aaaggtttca gacaacaagt ggnatcta 418

<210> 17325  
 <211> 302  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-C12  
 <400> 17325

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 acgacagaag ggttacggct gcgagaagac gacagaaggg ttacggctgc ganaagacta 120  
 cagaaggggt acggctgcna gaagacgaca gaagggttac ggctgcgaga agacgacaga 180  
 anggttacgg ctgcganaag acgacagaan ggtacggctg cnanaanacn acagaagggt 240  
 acggctgcga gaagacnaca caangggttn nnnnnnnnnn nnnnnnnnnn nnnnnnnngc 300  
 gg 302

<210> 17326  
 <211> 278  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-C7  
 <400> 17326

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 ttcttcagat cgaagaagaa gaagaagagc ttagcaacaa tggcggcgaa accgattgcg 120  
 agtccgattc cgggtggcgct gtatccgact ttattgggtg ttactcttg cgattggtct 180

cgtcattacc gctatcttcc tcatectatg aagcctacat catccangaa aaaaccgaaa 240  
 ccntcggaaa ggactcgcta cttcagcaat tgcacctg 278

<210> 17327  
 <211> 359  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-C8  
 <400> 17327

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 gcattcagtc agaagaactg gttgagggcat tctatcgata tggagactcc ggtattggag 120  
 gatgcattgg aaagattgaa gagcttctgc gatcgccatt ccaacaaaaa agtccccctc 180  
 aaagacgtca atgggtgttaa gttaaagggtc aatatgggta tttgcctaag tcattttacgt 240  
 atgctataat gataaataaa tgagtgtttc ctggtttgag gtaaatcatg aacactttag 300  
 tggattttgt aacaaataaa atgggtgcac ttaatataaa tcgtgtgtaa tgttttcnc 359

<210> 17328  
 <211> 492  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-G2  
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 ctgcgagaag acgccagaag ggcacagaac tttggctgga gtatgagaac aatgcttctt 120  
 tagaagcaaa tattgtanan gacttcgata aggttgagat gattctccag gcgctagaat 180  
 atgaagctga acacgggaaa gtgctcgacg agtttttcat atcaacagca ggcaagtttc 240  
 aaacagaaat tggnaaaagc tgggctgctg agatcaacgc taggagaaaa agccaattga 300  
 caaacaggca gagatagtaa aatccagttg catcatacct tcaatcttcc tcaactatca 360  
 acagtagaat ctcgggaact aagcagactc ctcatagaanc aaaaggtaca agctttctaat 420  
 ganattttca gtttgtagtt caacgancac aagtccttgg ttttttaacc tcccccttg 480

ggtaccaant tg

492

<210> 17329  
<211> 455  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<400> 17329

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gcttcaatgg agactattgc ctcttctcgc actcatcggt gctcttttct ccttcttctt 120  
cgcttcncct cgctctttac aggggaataa tantttagt cttcttctc atgatcatta 180  
ctggatctca agtaaacgca tcgtcacacc taatgggtct atctctgggt ctgtggagg 240  
gaanggagga attatttgt cngtgggtgat ngaagttgat tggcataata gtcaaaggag 300  
tcnantgaaa gtgantgant atggagaaac tgcctcatg cntgntctca ttgatgtgca 360  
tgttcatctt gatgntcctg naatangtna atgggaangg tttcttctg gaactaaggc 420  
tgctgctgct ggggggaata actacattgg ttgac 455

<210> 17330  
<211> 537  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-031-Q1-E1-G4  
  
<400> 17330

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ccgcccaacg ccgtcccggc cccaagccgt cccgtacngg gctgccaaga aagaccacaa 120  
gaaaggggta cgggctggcg aagaagacg acaagaaagg gggggcgatg naatcaagct 180  
ggcaagcaac tcccaaaaac caggggggaa atctcccgcc ggggtgcacc ttttgtancg 240  
ccgttgctgt atctattagg aacatggaga aggacaagga gaaggtgaat atcctactat 300  
accgtctttc cgctacggcg aagagatccg tttctcacat tccggcaagc cggatgtagc 360  
gtatacgcan aagacatgga aattggnatc aggagctccg atgcacgccg agagtgttac 420



tttcgtccaa naccagatgg tctattgaag tctcattgct caaaacacag gtctctcnaa 480  
ntcaanaaag ggacatncaa tgttgntaac aatccatcaa actccaaaat ggtnttg 537

<210> 17331  
<211> 416  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<400> 17331

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aattggatcc atctcaantc gtcgacgten acgtccgagt caccggagggt gaggtcggag 120  
cancgtcttc actcgtctca aagatcggtc cacncggtct ggcaccaaag aagatcggag 180  
aagcatcgcc antagagaca gcgaaagaat ggnaaggtct tcgagtcacc gtgaagctta 240  
cggtacagaa tcgtcannct aaggtcacan tggttccatc cgcagcggnt ctagtcatca 300  
aagccctcaa ggagccagag agagatanga agaaagtgat caacatcaan cataatggca 360  
tcatttcgtt tgatgatgtg antgagattg ctнанатаат gcgtcctaaa tctatc 416

<210> 17332  
<211> 403  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-031-Q1-E1-G11  
  
<400> 17332

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tgggatctgg agcattaaca tttggtatgt gccaaagaag atggatatct tcagaaaacc 180  
agacgatgtg ttaacagctg ctgagaagta cattgcagag aatggacctg atgcttttga 240  
gaagatctta agccgggctg ataaatcaaa aagatataat aagcatgaat atgaaagcta 300  
tgaaacgatg tatggtgang gttatcagta ctaagagaaa ttgaaaaag cttttaantt 360  
taaagtgtg aagcaacttc agtcttggtg ttgttaagcc tcc 403

<210> 17333  
 <211> 423  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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aacgtccggt gaaagaaaga attcggcttt ccgcactaac cacttctgaa tcctaaccaa  120
caagcttctc catttcgttt ttcgctctc gattccaaat tccacttaag acggcggatt  180
ttctcaccgg gaaattgggt ttagatggat aggactgagg aaatcgaana atcccccgcc  240
ggaccttctt ccggatccgc gaaattgaag ctcggaaca gagcaaatec tttccttggt  300
gtttgtanat gcntcaacct cgttacctct ctcaaccgca attcctgtg ttgccgttaa  360
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ccc                                                                    423
  
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<210> 17334  
 <211> 448  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
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 <400> 17334

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agctggaatt tggttggtta tcggagggtca gagagaagtc aacggatatg ccggaggaag  120
aatcgataga tatcaaattc aggttgtagc atgggtccga tatcgggcct tttcggtant  180
ctgctggcttc tactgttgac tttttgaacc agagggctct ctctgattgg ccaaaggca  240
aaacagttgt tccaaagggg ataaacgaag tgaagctgat aagctcgggt aagatcttgg  300
acaacaacaa gactgttggg cagtgtgaaga caccatttgg agatattgct ggtggagtca  360
ttgtgatgca tgttgttgta cagncttctc tagctaaatc natnacagag aataaggttg  420
ataaagcacc aaaggcagta atctgcac                                                                    448
  
```

<210> 17335  
 <211> 408  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
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 <400> 17335

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gacagaaggg tacngctgcy agaagacgac agaagggtag ggctgcgaga agacgacaga  120
anggtacggc tgcgagaaga cgacagaagg gtacggctgc cagaagacga canaaaggta  180
cggctgcyag aagacnacag aanggtacgg ctgcygagaag acgacagaaa ggtacagctc  240
caanaagacn acngaangaa aatggnagat aacccactc aacaggatcc aantnaagct  300
accataaaac tgttatcaat gctctcaaca gtttcntctc ntcaattcn cgtnaccatt  360
naattgttct gttttanatt tccttcctt tcaaatttaa cccnttga                408
  
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 <211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 17336

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agaangggga aatccaacga tttataagan cntcgtccgg cnttcgacgg tctgctgacg   60
aagaccatgg ggcenatttt caaatncann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngagg atagtaacac gatcacnggt  180
agantgaggg ttccagcaag caccgtgatt ggtcatgcag cttaaattctc aaatatcaaa  240
gttatactca acggtggaca gcatgttact ttcctcaagc cggatggata ctttaccttc  300
caciaagtgc cagcggggac tcactctgatt gaagttaag cactgggcta cttcttctcc  360
ccaagtgcga attgatgtta ntgctccggc aacntggcaa aggtcaaaca acacn        415
  
```

<210> 17337  
 <211> 508  
 <212> DNA

<213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-H2  
 <400> 17337

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antgtttcgc ctgcccgttt acgntgcnan attcgcgtgg aacacncacg cgtccgcnc 60
cgcgtccgta cggctgcaga agacgacaga aggggcctga ggaaagaaaa ggagctccaa 120
agggtgaac gcgagagacg ggaacagcaa gaagcccagg agcgagaagc tcaggctgca 180
ctcaatgacg gagaagtgat tagcatccac tcaacaagcg agctagaagc aaagacaaag 240
gctgctaaga aggcattcacg tctgctcatc ctttacttca cagccacatg gtgtgggcca 300
tgccgatata tgtctcctct gtactcaaac ctggccacac agcactcgag agtcgttttc 360
ttgaaagttg atatagacaa ggccaatgac gtggctgctt cttggaacat tagcagcgtc 420
ccgacctttt gcttcatcag anatgcaaaa aggtggcaaa attntcggac tgataaaagg 480
tcnctnanca naaaaattca caacactc 508
```

<210> 17338  
 <211> 506  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-H4  
 <400> 17338

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cngctgcgat aagacgacag aaggggagag angcaaataa tatattcagt agcaanaaaa 120
aatctgggat ttctaaaaaa aggtaagaat gaaaatggcg gatcagctca ccgatgacca 180
gatctcagag ttcaaggaag cctttagccc cttcgataag gatggtgatg gttgtatcac 240
caccaatgag ctcggaaccg tgatgaggtc tctggggcaa aaccaacag aagctgagct 300
tcaagacatg atcaatgaag ttgatgcaga tgggaacggg accattgatt tcccggagtt 360
cctgaacctg atggcaagga aatgaagga cactgattca naggaagaac tcaaggaacc 420
tttaagggtt tgataaagnc aaaatgggtt catacctcaa cnaancctnn catnnntgcn 480
aatctccgtg agaaacttcc natgag 506
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<210> 17339  
 <211> 482  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-H6  
  
 <400> 17339

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gtccgtacgg tgcgagaaga cgacagaagg ggatagtaaa tccagagaac gtctcttctt  120
cttcttcact tgccggagaa gatggatttg ttgttctgtt tccgaccgaa tcagacttgt  180
cggggaattt cagttttgcc tgcttttagc ataagcaatc tttccgccgt caatcgtttc  240
cgttcgacga cgagtcttcg ttttggattt ccggcgacgc cgtttcgtcg gactccaaac  300
tttaccttca aaactcacgc gaagaggaag aataaaacga gtactttcga accgaaaccg  360
aataaagtcg aangagttga tcattgaang aagaaagaag aagaggagat nggttcttcc  420
ccgaangagg attcaagaga atcaagacga antttgctac tgggttgatg aattttgacg  480
aa                                                                    482
  
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<210> 17340  
 <211> 499  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-H7  
  
 <400> 17340

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gcgagaagac gacagaaggg ggagtccaag agtagtggtg aaggtggatt tgaagaagaa  120
gccatggcag caggaccagc cattgcacaa tagatggcat ccggagatac caccagcagc  180
agaggtcaag gctggtgagt ttttccgggt agaaatgatt gatgcaatgg gaggcgttat  240
caaagacaat gactctgcan gcgatatcaa gaacctagtc ctaactactg gttgtagatg  300
angaaggat tgcagctaaa gcaggatgac ttcttgctgt tgagatatgc aacttgggtc  360
ctcttccatg agatgaatgg ggattcactg ggttcgtttg attananana atggtggccg  420
  
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gttccttgac ttgacaattt cccttgtaga acaaaagcta tttgggtact ttgaaggatt 480  
 caancccaat cccctcag 499

<210> 17341  
 <211> 473  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-H8  
 <400> 17341

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 aggggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaaggcga cagaatggta 120  
 cggctgcgan aagacgacag aagggtacgg ctgcgagaag acgacagaag ggggccgac 180  
 aaaatccttt taagctctgt agaccaggt tacgcagaga anaagaacag aacaaggaat 240  
 tatataatca tcggcttgat caatctgaat tgcagttcat ggcgctaaac cctcaattac 300  
 tacccaatgg gatgcctgtt ccctttgtta atgaaatgtt cgtcctantc cgagatgggtg 360  
 ttgaattttg aagtcgacaa gattccctgg agggtaatgg agggtcangt ttaagggcca 420  
 anggggttaa tttacctttg ncaaaaaaaaa ccgggttggg cccttggnntt caa 473

<210> 17342  
 <211> 400  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-B6  
 <400> 17342

ggctgcnana agacgacaga aggggtacggc tgcgagaaga cgacagaang gtacggctgc 60  
 gagaagacga cagaagggtg cggctgcnan aagacnacag aanggtacgg ctgcganaaa 120  
 acgacagaag ggtacggctg cganaagacg acagaagggt acggctgchna gaagacgaca 180  
 gaaggggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac gacagaaggg 240  
 tacggctgcg agaagacgac agaanggtac ngctgcnaga agacgacaga aggggtnc 300  
 aattgtgccc ttgttggttc agatactgaa gactcaagaa accacntgtt ggtaatgatg 360

atgttccggtt gtcctgaatg atggcttntt ccttcccaat

400

<210> 17343  
<211> 424  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-031-Q1-E1-B7

<400> 17343

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tggnggagga aagctttgta agtggaggac tttgccaaac gcagacgcta cttggaaaaa 120  
nngtcacgcg gctganagag taatcggtgc gtgttcaaac gttggtttta gcgatttgaa 180  
acttgcgttt angaataatt tgagttttct ctcaacgtca aaatattgaa tttaatcgtg 240  
tcggttaaat tcaaagcttc tagtcacttt ggcaatttcg tgtagctct tttcaacgan 300  
actttanngn aaagctattg tgagatggat tttacaggat gtantaattt gatagnttga 360  
agtggattac gtggatacaa aangtccaat tgacanccan aaaaacnggc cccccaatag 420  
gntc 424

<210> 17344  
<211> 421  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-031-Q1-E1-B8

<400> 17344

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aaaactcctc ctttcatttc caaacaacaaa cttcttttta ttctcacatc ttaaagatct 120  
ctctcatggc gatgtcttct tcaggagctg ttctcactgg tatggcttct tctttccaca 180  
gcggagccaa gcagagcagc ttcggcgctg tcagagtcgg ccagaaaact cagttcgtcg 240  
tcgttttctca acgcaagaag tcgttgatct acgccgctaa aggtgacggc aacatcctcg 300  
atgacctcaa cgaggccaca aagaaagctt cagatttcgt gacggataaa acaaaagagg 360  
cattagcaga tggtgagaaa gcgaaagact acgttggtga aaaaaacagt gaaaccgcaa 420  
g 421

<210> 17345  
 <211> 409  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-B2  
  
 <400> 17345

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aagacgacag aaggggaggg tttaagaaat cttccgagaa aacagagaga cagaaaaatg   60
gtgatgatga agaagatgaa gggaagccaa agctttagac aaagacttct tctttcaaca  120
ctttcttcag cacctatctc gattgatgag attcgtgccg acgaaacgat tcctggtctc  180
cgacctcacg aggttaatct tctccgcctc ttagaaattg tcaccgacga cgccgtcggt  240
gatattaacg agaccgggac tcgattaaag tacaagcctg gaactatagt gggagggaaa  300
gaacttggtt cacagctgct cgctgagtcg attcattggc tattanctg agccaatgcn  360
ttgttggtga atgtttggga agaaacctcc ttcgaataag gtcaaangg               409
  
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<210> 17346  
 <211> 431  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-C12  
  
 <400> 17346

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gcgtccgtac ggctgcgaga agacgacaga aggggattca ccggttggtta tatcgtcgat   60
tcatcgtcgt cgacggcgag tacttgtgac ctccacaccc agattaatct tctataactg  120
attttatcgc ttagacgatc acgatctcat cgattaactg acaaataag catgtagtaa  180
agatcttgag cctgttggtg gctatctctg ccttctggat tggctctttg caggctgcaa  240
ttattcctcg aagccataca tgggtgctac cgatctactt tgttgatcc ctcggatgct  300
atggcctatt aatggttgga gtcgggctca tgcagtttcc tacttgcccc caagaagcan  360
ttctgctgca naangatatt gcaaangcta anggcttcct caagcacaaa agggatatatg  420
ttggatntaa t                                     431
  
```



<210> 17347  
 <211> 414  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-C5

<400> 17347

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 ggctaatttg ctancatctc actgcttcaa ttttggtccc tcatcggaag tggcggtttt 120  
 actcaacacc tcgatttcat ctcacctccg atcttcttcc cataagacgg atggtgcttt 180  
 agctcaatcc cgtcgcggtt tccatgtgga gctaggtgct cgtgagaaag ctctcttggc 240  
 tgaggatgca tctttgagga gattcaagtc gcataagana ggtgttcata gattgaaaag 300  
 aantggagat gtgctcaciaa gttgtccntt gtcnctggg atgctgctat gagatcaagc 360  
 caacagtgat ganaaaggaa actcaaggct gcatnacgaa actcaagaat ttcc 414

<210> 17348  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-D5

<400> 17348

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 acagaagggt acggctgcga gaagacgaca naaggggacc aaattcaaga acaagaaaaa 120  
 acttttctt tgaaacanag aaacatggat ttctttaccg atcaagtaaa gaagaaattc 180  
 tccgacaaga aaccggagag ctctgatccg gagccaaacc acaacaanna caaaccgggt 240  
 cacacggagc caacaacaca taaaccgggt cacggcgagc caacaacaca taaaccgggtc 300  
 tccaacaccg attcancaac acacagaccg gctacgaacg ctgagctcat ggctagtgcc 360  
 aagatcgtag ccgaagctgc tcaagccact gctcgtcacg aagtcagaca agcttgaca 419

<210> 17349  
 <211> 405  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-031-Q1-E1-D6

<400> 17349

ttgaatttag tttctttcct tatTTTgttt gaggtttatt atattgatga tagggTTTTg 60  
gaaactTTTT taattgattt tagcttatag agaccaaaaa ccctagaaaa atacgattcc 120  
tacgacggcg acggttgatg atgagccggg acagattaaa cgtgctctga ttgatgcttc 180  
tgccggagct atctctggtg gtgtttctcg ttctgtaact tctcctcttg atgtcattaa 240  
gattagattt caggttcagc tagaaccgac gacttcatgg ggTTTggTtc ggggaaactt 300  
gtcaggagct tctaagtata ctggaatggt acaggcgact aaaagatata tttagagaan 360  
aaggTTTccg ggggTTTTgg cgggtaatgt gcaaccttgc ccagg 405

<210> 17350  
<211> 444  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-031-Q1-E1-E12

<400> 17350

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tggtaaagtg gaccaagaac attaagattt cagatccttt tgaagaaggc tgtangcttg 120  
gtcctgttgt cagtaaagga cagtacgaag agagttctaa agtttgtctc aaacgctang 180  
aatgaaggTg caactgttct ttgtggagga gttcgtcctg agcattttaa gaanggatac 240  
tttgttgaac ctgcgattgt ttcaaagtG actacttcaa tggaaatctg gagagaagaa 300  
gtctttggTc ctgctctgtg tgtgaaaaca ttctccaccg aggatgaggc aattcagctt 360  
gtaaatgact ctcaatatgg attaacaagc gcaatattat caaatgatct gganccgtgt 420  
gatctgttaa taaagngttt caaa 444

<210> 17351  
<211> 517  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-031-Q1-E1-E2

<400> 17351

gaactgtttc gcctgccctt tncgctgcc caaaattccc ggggaanac ncacgcgtcc 60  
gcccacgccg tcccgtagcg gctgcgaaga agacgacaga aggggtaca taaaagctta 120  
aaagaaaaca caaagaatgg ggagagcaag agaaatatga gaaggaaact catcgtcgtt 180  
aagggaacaa cgaaacctca gagagaagga tcgaaggatg cgcataaaac atctctttctc 240  
tatactttct cctcatgttt ctccactcg caagttacca gtgcctcacc ttatagatca 300  
agcgacatca tacatgatcc aattgaaaga gaatgtaaat tatttgaaag agaagaaaag 360  
gacattgtta caaggagaac tcgggaatct ctacgaaggg tcgtttcttc taccctaaact 420  
cagtattcat tcgctgggatt cgaccataga aatgaatccg atcatggntc taaacatgaa 480  
aagagtatgt tccccgagcc tgtgagtatt ttganga 517

<210> 17352

<211> 506

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-031-Q1-E1-E4

<400> 17352

actgttacct tgcctttacc ggtgccaaat tcccgggag acccagcgt ccgtacggct 60  
gcgagaagac gacagaagg gatatccaca atacanaaca caactttcat atataacaaa 120  
aaaagttata gaaatggcca aagacgtgga aggacctgag ggatttcaga caanagacta 180  
cgannatccg ccaccaactc cgttttttoga tgcggacgag cttaccaagt ggtctttata 240  
cagagccgtc attgccgagt tcgtagccac tcnctctctc gtgtacatca ccgttttaac 300  
tgtcatcggg tacaagattc agtcngacac aaaagccggg ggagttgact gcggcggcgt 360  
cgggaatcct tggcatcggc gtgggctttt gggnggcaag attcttcaat ccctggccaa 420  
cgggcaaccg cccgggtatc ccaanggtgg gccaaattaa ancccgccg ntggacnttt 480  
ttgggttggg tccctaance ccggga 506

<210> 17353

<211> 430

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-E9  
 <400> 17353

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gcgtccgtac ggctgcgaga agacgacaga aggggggagga atgatggaat cttcagcttt 60
aataaatctg cagactctca aaattccgat tcatcttatt gaagaacaat tttccggcga 120
aacggccgat gaagtctcgc ctgaatcttc tgtacctttc accggcgatt gacttcaactt 180
cagaatcgag agagaagaaa tcgatggaaa actaaaaata gaaagagttt caaattctcg 240
ctctctcttc aaaaccgcaa atcaagggaa cgagagacga gagagagaga tgagtaaacg 300
gaatccgaag attctgaaga tttttctgta tatgttactt ctcaactctc tttttctcat 360
catctacttc gtttttcaact catcgtcgtt ttcaccggag cantcacage ctctcanat 420
ataccacgtt 430
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<210> 17354  
 <211> 403  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-F10  
 <400> 17354

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gtgaccangc ccgggcgact gtttaccaa aacacgggtc tccgcaaagt cgtaagacca 60
tgtatggggg ctgacgcctg cccagtgccg gaaggttaag gaagttggtg acctgatgac 120
aggggagccg gcgaccgaag ccccggtgaa cggcgggccgt aacgataacg gtcctaaggt 180
agcgaaattc cttgtcgggt aagttccgac ccgcacgaaa ggcgtaacga tctgggcact 240
gtctcggaga gaggtcgggt gaaatagaca tgtctgtgaa gatgcggact acctgcacct 300
ggacagaaaag accctatgaa gcttcaactgt tccctgggaa tggcttttgg cntttcctgc 360
gcaacttaag tggaaagcga aaaaagcccc tttccggggg ggc 403
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<210> 17355  
 <211> 394  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-031-Q1-E1-F12

<400> 17355

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ccgccattga ttagcttctt ctctatTTTT actctcgtca cgccctccac ttttgggtca 120  
ttattacttc tcgaagetca ccaagatctt gaatttgccg acctctcaag attcttgatg 180  
gtaaaagcat acagacaaga gcatgtttac aagcatccgt gggagcgggt gagtgctgct 240  
tcatggagga agtttgaga cctgaaaac aaacgcatcc tttctcacat ccttgaagtc 300  
gataccttga acaggaaact cganactgag accgggaaac tccacaccac gcgtgctctc 360  
aacatccatg ctctgggtc caagggttct ccan 394

<210> 17356  
<211> 345  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-031-Q1-E1-F2

<400> 17356

aactgtctcg cctgccctct tcgctgncc aaattcccgg gnacacccac gcgtccgtac 60  
ngctgcgaga aagacgacag aanggtacg gctgcgataa gacgacagaa tggtagggct 120  
gcgagaagac gacagaaggg tacngctgcn agaagacgac agaagggtag ggctgcgaga 180  
agacgacaga atggtaggc tgcganaaga cgacagaagg gtacggctgc gagaagacga 240  
cagaagggta cggctgag aagactacag aagggtacgg ctgcnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngc 345

<210> 17357  
<211> 415  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-031-Q1-E1-F5

<400> 17357

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 ggatttctat actgttggtg actgggcata taaaatagac cccctacggt gtatttcaat 120  
 gcatgggtata actgaacgtt atctatctgg tcagaaagct gatgctgcag gatttggtcg 180  
 ccttttgctt ggagatctgg agtcgagagt ttctatgcaa ttcagccgtt ttgtggatga 240  
 agcttgtcac caaattgaaa gaaatgaacg taatgtaaga cagatgggtg tcttgccata 300  
 tattccaaga ttgcanacac ttgtactcg tatggaacaa tacatacaag ggcaatctag 360  
 agatttggtt gatcaggcat acacaaaatt tgtgagcata atgtttgtga ccctc 415

<210> 17358  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-D4  
 <400> 17358

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 atggcgctcg ccagtgtgtt tcttcacgc ccgcgtatcg catttgcttc tagaacgaat 120  
 cagactgtag gaaaatacgg taaaggccgt gttagtttca tgggcattgg gacacgtcgt 180  
 cttccggtgg ttttatccat gacggcgatg gcggattccg gtgaggaggc cgtgaaatct 240  
 gttttgcctg gaaatggcat atccatcatg gtgaatggat gtagtggcaa aatggggaaa 300  
 gctgtaatta aagcagcaga ctctgcagga gtaaatttgg ttcccatatc gtttggatct 360  
 gctggtgagg atggtcagag agttgangtc tgtggaaagg agattactgt gca 413

<210> 17359  
 <211> 429  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-E1  
 <400> 17359

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 agccatcact gaaggaggaa ccattgggtc tcgttacaaa gaagctgaca agtcttgcaa 120

agtgatgtcg ggtagattct tccctgaaaa tgccctgcctc aaaggtacag ccattattac 180  
 tgctgtgggt ctagctgctg tagctgtact agcttccaac ctgtacgctg aagaagatgg 240  
 tggactcatt ggttctgcac ctatacttca atgcaaacac ctcagctttg aagaactaag 300  
 agagatatac cattgtcctt gctttccttt tgctaagagt ttgtgaatat attgagatat 360  
 gtcgtcaatc ttgttggtgg gtatttgctc actcaaatac acgtttgaca aaaaaaagt 420  
 atatttang 429

<210> 17360  
 <211> 440  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-E12

<400> 17360

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 gttacggagc acacacagat aggataggaa accctaaaag tgcttcttct tcttcgtctt 120  
 cttcagtttt aggttacgat cgaagcaaaa ncggcgcatc tgaatcccaa acgantgacn 180  
 ataacgatch attcgcagca naaacgagc aaattcagat ggggggaaat ggacgaagac 240  
 gaanatctgg atttcttgct cctcccaag caggtgattg gtccagatga gaatggtttg 300  
 aagacgacga tcgagtacaa attcaacgat naagaaaata aggttaagat aacgactagg 360  
 acacgtgtcc gcaagctaac ttctgctcga ctcaacaaac ganccatgga gaagangaac 420  
 tggcctaant tcggagacgc 440

<210> 17361  
 <211> 448  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-D11

<400> 17361

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 aaaattaaga aaaacaaagt ctattccata cgaataagag cctcagggtta attttttaaa 120

agatgggtta ttggaagtcg aangttgttc caaggatgaa gaaatttgtt cgaagaaaga 180  
 gtccancaaa aaaaggaatt tgttgangga aggagaaacc cacgagaggt gggantcctt 240  
 ggaggaaggc ctctttgaaa accgaagaac cggccaagga aaggngaaac taaaccggag 300  
 gaaataattg canccggcna aaaagattag aattattnaa gagaagaaag aaaggctaaa 360  
 centggaggt tccggccccc atctgcgng gaaaaaaccc accgtaaaga gnggaaaaac 420  
 gcccggtgga aaaaaaccct cttggaaa 448

<210> 17362  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-E7  
  
 <400> 17362

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 tggcctctcc ttcacgatat tcgaagaagt ctctctctcc ttctccaacg aatcccagat 120  
 caggcggcaa gtaggcgaat ccttacgaag aattctaact tcatcatcaa cgatagatac 180  
 tctagtttga ttttcaaagt agtagtgtaa aggaatcaga aatggcggtg ggagagaagg 240  
 agcacgaagg aactgtggtt gaaagcggcg gcgagaagaa tgattccgcc gttgtactct 300  
 ctgcttcggy cgagaagaag acgacgaagc gtaaagggtt gttctcgcgt ctttggaatg 360  
 cgatatttan ggttagaggt gatgatttcg agaagagact taaaaatatt tcaaaggaag 420  
 aagcg 425

<210> 17363  
 <211> 411  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB35-028-Q1-E1-E8  
  
 <400> 17363

aaaagaaaaa tggatatgtc gcttgcggtt tcgacggcac caatgagtag gacgattatc 60  
 tctgccacga ggcggtccca agtttcacaa cctaaagcta agaaagtcaa gccggcgaat 120  
 aagcggccaa cgatgtcgac aagcgggttc tccggcggaa cgacaaagga gttgacttgg 180



aagtgcgtag aaggttgtgg agcttgcgtg aagattgcaa aggacttttc ctttgcaaca 240  
 cctgacgaaa tcttcgacaa ccctgatgat gttgagctgt atcgaagcat gatcggagat 300  
 gatggatggg gtctaaacta cgacaaagct acacgcaaat gctctattta tgctgatcgt 360  
 ccatattttt gtcgggttga gccagaggtt ttcaagtcac tctacgggat t 411

<210> 17364  
 <211> 429  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-E9

<400> 17364

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 ctgtgcaaca aaaggagaag gaacttgggtg gtcgactgaa agaacgttac aaggacgaaa 180  
 atgaaaggaa acaaagtcga caaactaagg tctgctcgaa agctcctcca agcaaaagac 240  
 cattttgggg taatagtgc a tcaggttaca atcttgggca tgtgaagagc aacatcatga 300  
 agaaggcaaa aatagatctg ttgaagagtc aagaagtga aaatcttact gcgattaaaa 360  
 ggaacaccat tcagaagagt ttcagtattc tactccaaag aaaactgggc ttatctgcga 420  
 antcgcctt 429

<210> 17365  
 <211> 456  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-028-Q1-E1-F11

<400> 17365

gcgtccgtac ggctgcgaga agacgacaga aggggagaga agcaaagaga tgtcttttga 60  
 ggagtttacg ccgttaa acg agaagtctct tgtagactac atcaagtcaa cacctgctct 120  
 ctcttccaag atcggagccg acaagtccga tgatgatttg gttatcaaag aagttggaga 180  
 tggcaatctc aatttcgttt tcatcgttgt tggatcctct ggttctcttg tcatcaaaca 240

ggctcttcca tatattcgct gtatcgggtga atcatggcca atgacgaaag aaagagctta 300  
 ttttgaagca acaactttga gaaagcatgg aaatttatca cctgatcata ttcttgaagt 360  
 ctaccatttt gacagaacaa tggcggtgat tggaatgaga taccttgagc ctctcatat 420  
 cattctccgc aaaaggactc aattgctggg gattga 456

<210> 17366  
 <211> 452  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-F3  
 <400> 17366

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 ctctctgtt gtgacaacta tggaacatcc attgatgttt ggtctgttgg ttgcattttc 120  
 gccgagcttc ttggtaggaa gccgatattc caaggaacgg aatgtcttaa ccagctgaag 180  
 ctattgtca acattctcgg aagccaaaga gaagaagatc ttgagttcat agataacccg 240  
 aaagctaaaa gatacattag atcatttccg tactcacctg ggatgtcttt atccagactt 300  
 taccggggcg ctcatgtttt ggccatcgac cttctgcaga aaatgcttgt ttttgatccg 360  
 tcaaagagga ttagtgtctc tgaagcactc cagcatccat acatggcgcc tctatatgac 420  
 ccgaatgcaa ancctctctgc tcaaagttcc ta 452

<210> 17367  
 <211> 204  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-F7  
 <400> 17367

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 gagaagacga cagaagggtta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120  
 acgacagaag ggtacggctg cgnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnngc ggcc 204

<210> 17368  
 <211> 411  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-G10  
  
 <400> 17368

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agaattgttt acattggaat gcctcttgtg ccggcagtga ctgagctagt tgtcgctgag   60
ctaattgtatc ttcagtgggt ggatcccaag gaaccattt acatttacat caactccaca  120
gggaccactc gtgatgatgg agagacggtt ggaatggaat cagaagggtt tgcgatctat  180
gactctttga tgcaacttaa aaacgaggta catacantat gtgtgggagc agccataggt  240
caggcctgtc tattactttc tgcgggaacc aagggtaaac ggtttatgat gcctcatgcc  300
aaagcgatga ttcagcaacc acgtgtacct tcctctgggt tgatgcctgc cantgatgtc  360
ctgattccgg ccaaagaagt cattacaaat agggatatac ntgtggaact a           411
  
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<210> 17369  
 <211> 416  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-G11  
  
 <400> 17369

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ggctgcgaga agacgacaga aggatacggc tgcgagaaga cgacagaagg gtacggctgc   60
gagaagacga cagaagggtg cggccgcgag aagacgacag aaggggggtg atctctcatc  120
gttctctcaa atttcgtgtt tttgtaaccg gacggagaac ctttcacgat gtctgcaaac  180
caggaggaag acaagaagcc aggagacgga ggagttcaca tcaatctcaa agtcaaggga  240
caggatggaa acgaagtttt ctttangatn aagagaagca ctcagctcaa gaagctgatg  300
aatgcttact gtgaccggca atctgtggac atgaactcca ttgctttcct gtttgatggg  360
cgtctctctg tgctgaacaa actcccgatt aacctnacat ggaagatngt attaag      416
  
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<210> 17370  
 <211> 302  
 <212> DNA

<213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-G2

<400> 17370

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ctgcgagaag acgacaaaag ggtacggctg cgagaagacg acagaagggt acggctgcga 120
gaagacgaca gaagggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac 180
gacagaaggg tacggctgcg agagacgaca gaaggggttc nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngcgg 300
cc 302
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<210> 17371  
 <211> 455  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-028-Q1-E1-G5

<400> 17371

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gagactaata atcaatttcg tcaaaagatc aaatcttgct aaattttctt ctgctcgttt 120
gattttccga atcgttggtt tcgataagtg aagaaaagat ggggaatttg ttcgtgaaga 180
aaccacagat cacggagggt gatcgagcga ttctctctct caaaacccaa agacgcaagc 240
ttggtcaata tcagcagaag cttgagaaag taattgaagc ggaaaagcaa gctgcaagag 300
acttaatccg tgaaaagcga aaggacagag ctttgttagc attgaggaag aaacgaactc 360
aagaagagtt attgaagcaa gtggatcaat gggatcatcaa tgttgaacaa caattaacag 420
atattgaact tacgagcaaa caaaaggcag tgttt 455
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<210> 17372  
 <211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-H10

<400> 17372

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taatttctct cagatcatgt tgactganac tccatttagg ccacgagaga agcttctgga 120

gaaacagaga ttgttccaga gcatccaaag gcacacttac ttgaaaggac caatggacaa 180

gatcacttct gttgctantc ctantgcctt ggctgcaagt tctctctaca tgattggnac 240

aggaatctac aacatgtcna atggaatcgg caanaangaa taagcagctt cntgattttt 300

ccntcctttt tatatgcttt tggtttctca atgtatcant cactggncat atgcagtagc 360

aagactaang gttgcactgg tcnttttctt gaaactgttt attccgtcct tgcna 415

<210> 17373

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-028-Q1-E1-H11

<400> 17373

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atcatctgtg aagaagatgt gtgagttttg taaaacagtg aaacgtcgtg gacgtgtgta 120

tgttanangc ncttccaatc ctaagcacia ncaaagacaa gggttcagtt cctttgctta 180

tgaaggaatt acaccttccc ctttgtttgc tgagccgatt gctagtcagg anttgggtgag 240

gctgcctggg caggggggtat caaccggact gggcatcact tttacacaaa aggccttatg 300

ccaacagcgt atttcngatg ngaggctctgg tcttgcattc attctcttca aacagggaaa 360

ttagggatgt caacatttcc ctttttatcc ctcanatttg taccctttt cttccacaac 420

c 421

<210> 17374

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-027-Q1-E1-F9

<400> 17374

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngagctttac 120  
 aatttctctc tacagagatc gaagatatgg aaggcaagga agaagacgtt agagttggag 180  
 ctaacaagtt cccggagaga caaccaatcg gaacatcggc tcagagtgc aaggactaca 240  
 angaaccacc accagctccg tttttcgaac ctggtgagct ttcttcatgg tctttttgga 300  
 nanctgggat cgctganttc ancgctactt ttctctttct ccacatcaac tgtcttgact 360  
 gttatgggag ttanaagggtc accgnagatt gtgccttcct ccgggatcca aggaatcnct 420  
 tgg 423

<210> 17375  
 <211> 296  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-027-Q1-E1-G2  
 <400> 17375

ngtnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnncgg 60  
 ccgcncaaaa ggatccaaag cttacntacg cgtgcatgcn acgtcatage tcttctanag 120  
 tgtcacctaa attcaattca ctggccgctc ttttacaacg tcgtgactgg gaaaaccctg 180  
 gcgttaccga acttaatcnc cttgcagcac atcccccttt cgccagctgg cgtaatanen 240  
 aanaggcccg caccgatcgc ctttccaac agttgcgcan cctgaatggc gaatgg 296

<210> 17376  
 <211> 510  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-027-Q1-E1-G3  
 <400> 17376

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 ggggtggacc aagatcgtcc attgaagtga acagtcagca tcgttttgct tgcttgtgcg 120  
 tttctctcga actctctcca tggctgttgc gctccaattc agccgattat gcgttcgacc 180

ggatactttc gtgcgggaga atcatctctc tggatccgga tctctccgcc gccggaaagc 240  
 tttatcagtc cgggtgctcgt ctggcgatga gaacgctcct tgcccatcgg tggatgatgga 300  
 ctccgatttc gacgcaaag tgttccgtaa gaacttgacg angaagcgat aattacaatc 360  
 cgcaaanggg gtcggtcaan aaggagggng acaccaagn tcatgaantc gaggagtaca 420  
 ccanttgaga tatttgggag acaactgana gagaaaatgg gtagaacttn attcctgggg 480  
 gaaaatgtta accggtgaaa actccnctaa 510

<210> 17377  
 <211> 436  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-027-Q1-E1-G8

<400> 17377  
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 gtattcacat tctcttcctc gtgttcatca caagcggcat tgctgttatg gccacagact 120  
 tcaactctaag gaacaattgc cctaccaccg tctgggcccgg aactctcgcc ggtcaaggac 180  
 ccaagctcgg cgatggagga tttgaattga ctccaggtgc ttccc'gacag ctcacggctc 240  
 ctgcaggatg gtcaggccgg ttctgggctc gtacaggctg caactttgac gcctccggaa 300  
 acggtagatg tgtaaccgga gactgtggcg gtctaagatg taacggcggc ggagttcctc 360  
 ccgtcactcc tggctgaatt cactctaagt agggcgatgg cggnaaaaga ttctacgatg 420  
 tnaagcctcg tagatg 436

<210> 17378  
 <211> 470  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-027-Q1-E1-F7

<400> 17378  
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gaacctttcc cctgcggcat cagaagtcct tggaagcggc cgtgtgacaa tgaggaagac 180  
 tgttgccaag ccaaaggggtc catcaggcag cccatggtag ggatccgacc gagtcaagta 240  
 cttgggtcca ttctctggcg agtcacccag ctacettacc ggagagttcc ctggagacta 300  
 cggatgggac acagctgggt ctatccgctg accccgagac attcgcaaag gaaccgtgaa 360  
 gctaaaaagt tatccacagc angtggggcc atgcctccgg agccctaagg ctgcgtcttc 420  
 cctgaacctt tgggcaagga acggantcaa gtttgggaaa aggaantttt 470

<210> 17379  
 <211> 470  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-027-Q1-E1-H4

<400> 17379  
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 aaaccctaaa cccccaaat ttgcttcgag aagaaaatga atgggtgtctc tcgtcatctt 120  
 cgagcttctt cacttctttc attaatctgc agctatgggtg gaatcaattc ggtctgtcga 180  
 ttttcgtctc aatctgatgg cttctctgga gggagattca gagagcaagt gccagtttct 240  
 ggagagtctg caaataattc aggcttatca aacacgggaa gaatcgggtc ctctccggag 300  
 cctaatactt cgactttgag aacttttggg gatatgaaag caggcttggtt aaacagaagg 360  
 agtcaatggg ttctcggctc ctaatgctcc tctaccttc aaaaagttca ctgagattca 420  
 agattacaaa actctctacc tgattagttc ggtcaaacna atccaagctt 470

<210> 17380  
 <211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-A12

<400> 17380  
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 cgagaagacg acagaagggc caacatatgg atatgcacng aatgtacagt ggcgtctctc 120



tcgactcttt cctaaagttc atgactgtac aatctttgac agaggaaggt ctgagaaacc 180  
 tcggccctta tgtancaact atggntgaaa tcgaagggtt agatgcacac aagagagccg 240  
 ttntctctcan actcaaggat atcnaagcca aacagcttgc anaatccaat tgngatttat 300  
 attcagacaa nagaggcaaa aattcttttt gtaatgtatg aacatatttg gtttcctgag 360  
 atgggatnac aatnanataa gagatgttgg aaaactctta ccatattngc agctt 415

<210> 17381  
 <211> 306  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-A2  
 <400> 17381

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 gagaagacga cagaagggtta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120  
 acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 180  
 gaaggggtacg gctgcgagaa gacgacagaa gggctccnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
 nncggc 306

<210> 17382  
 <211> 504  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-A3  
 <400> 17382

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 gaagacgaca gaaggggaag aaagatgtaa ggagagcaac tgggtgtagt agtgacaaga 120  
 caatgaatag caatagcagt accaacgaag aaagttagt caacggtgaa gctacaatca 180  
 gctagtggaa tgcaaacaag atcactgttc atatctgtgt ctctgagagac tcattacgaa 240  
 aggaggagag tttcttccaa cggaaccaca gtttcttgaa gctgtgcata tatgttggca 300

agtctggtgt ggaggaggat aacatttttg aagacgtcat atgttgggag attctcagac 360  
 atttcatcag ttctttctgt tgtcttctct cttgcaaact cattagcccg tttaggttac 420  
 ttgatatatt aatgtttttg actaaatttt aattgggata gatgattttt cctcagcttg 480  
 tcaaantttc ccaaattttg ttaa 504

<210> 17383  
 <211> 396  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-A7  
 <400> 17383

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 gcagaaggtt atacatgaat tgaagaagga gattgcagaa ctcgaggctg agaatacagc 120  
 aagttggaga cttcttgaac taaggaagaa gcagtttgca ttgttggtgc atgtggtgga 180  
 tgagttgcag gagacaatgg aggatgaaca gaagagtatg gtggaagaaa tgcggaggaa 240  
 cattaccgct gatggcgctg aagccatgtc catcgattag ctcctaattct tagcaacttt 300  
 gtcttcctct tgaatgctaa agaaacaaac ctttcattga taagaagaat ctgttttata 360  
 aaaanaancn ntnggaanca aaanaaaaaa ancggc 396

<210> 17384  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-B12  
 <400> 17384

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 taatatgccg tgtttcagac gaagagatca tcgagaatta cctgaggcca aagataaacg 120  
 gtgaaacatc ttcaatcccg agatatgttg tggaattggc agaggagctg tacactgtag 180  
 agccttggct gcttcctcga caagcagctc caattctcaa ccctggcgag tggttctact 240  
 ttgggaaacg caatcgaaag tatagtaact tggaaggtgt tcattgcgan ggatcgtgga 300

tactcnaaga cggttgcatc gcagtcctgt ccaaggagac gggtgaggaa attgggtggaa 360  
cgacgagatt taagtattac tataagaaca anggggataa agagatctct gaagatg 417

<210> 17385  
<211> 431  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-028-Q1-E1-B2  
  
<400> 17385

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agcattcaac gatggcttcc atcacgaatt atgtccgata catgggtcac aagctcgagt 120  
actctctcac tctcagcctt aagaaacata ctagagagaa gctcagtgac cgggaactct 180  
ttgggtgtagt catgaagaat ctattctatg gaagaataag ctacttacac tcggacaaaag 240  
gaaaagagat ggccccaacc atgggaacaa atgaaagcac gctacttgtc cgtaagctac 300  
cagttgttga tacaaggtag attttcgtag gggatgctgt tgtcttgaag gacccgaatg 360  
aaacaaataa gtatatagtc agaagactag cagccttaga nggatctgaa atggtatcaa 420  
gtgatgagaa a 431

<210> 17386  
<211> 429  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-028-Q1-E1-B7  
  
<400> 17386

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ggtgaggcac cgcgagttga agaattttta ggtgaaggga aaagcttcta cgagaatttt 120  
aagtctcaga ggaatccgag tcaaccgagt cgaaccgggt ttcatttcct gctctttcaa 180  
ggttcctctt cgtttgacgg acagagacaa gaatttagca aatgggtgca ttgcaaactc 240  
tgtggatgaa gttgggtggag cacttgtaga tggcgaangc ttacctatga gtgtttcagt 300  
ggacatgtct attgcattcc tttcaaaagc taagcttggt gaagagttgg agataacgac 360

gagattgtta ggagagagan gaggttataa aggaacaatc gttgtatcag aaacaagatg 420  
accgggggaa 429

<210> 17387  
<211> 357  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-028-Q1-E1-B8

<400> 17387

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gagaagacga cagaagggtta cggctgcgag aagacgacag aagggtacgg ctgacgagaag 120  
acgacagaag ggagacaaag gtgttggtttt ggtttttccc aagcaaaact caaggaggag 180  
gtgactaata tgattatata actttgtatc ttcttcttgt tgttatacat aaatgctgtt 240  
tttttactct ttgtaatttc attatcgaat tgttgggaag cctatcaata aattgtttga 300  
actgtttgta ttttctgagt tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn ngcggcc 357

<210> 17388  
<211> 349  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-028-Q1-E1-C11

<400> 17388

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gagaagacga cagaagggtta cggctgcgag aagacgacag aagggtacgg ctgacgagaag 120  
acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 180  
gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 240  
tacggctgcg aagaagacga cagaagggtta cggctgcgag aagacgacag aanggtacgg 300  
ctgcnagaag acgacagaan ggtacggctg ccagaagacg acagaangg 349

<210> 17389  
<211> 452  
<212> DNA

<213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-C12

<400> 17389

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tgacccttcc acttcttctc cgagccccag tcgtgggtgg gacaatcggc ctgaagtcac 180
atccaagagt atctgaatgt gacgaggagg ggaagggtgga aatgggtgggc gaaggggtag 240
ttaaaaaaag cttaaaggaa gcatgggtga atctgacttc atttgtgaag aggcaaagcg 300
ggacaaggca ngttatagta ttagcgtttg cagtaatctt actgatgcag gtgacgatag 360
tggtgctact gaaaaaagga ngaagggggc aagtggagta tcatgagaag tacgacgaat 420
acagtgtaaa cggggaaact ttgggggtgg ta 452
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<210> 17390  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-027-Q1-E1-B9

<400> 17390

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acatgtcgac ttcattcaca atgatcggcg gtgaagggtc caacagttac cgggaacatt 180
cgaaatacca gggagcactg gttatagctg caaaggaaaa gatcaatgaa gccatctcca 240
cgaaactcga tatcgacttt acttcaaate ttgttaacat agctgatttt ggttggttct 300
ctggaccgaa cactttcacc gcggtacaaa ccttaattga tgctgtggaa aacaagtata 360
agaaagaaaag taatattgag ggaatcgagt tccaagtttt ctcatgatcc tcaaacaac 419
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 <211> 414  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations

<223> Clone ID: LIB35-027-Q1-E1-C3

<400> 17391

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gaatctaacc cagatgttat gaatcagtat ctctggggac ttggtcttgc ccttgatgaa 180  
gcagagtgca atgatgtgta tgggttntac gatgaacttc tnnagatggg tccananncn 240  
gttcttgccg gtgctctcct ttacccatca cacaagatg gtgaanaaga ngaatccncc 300  
aacacaaagg gngnttttgg ganaagggtg cananccggn taaangttta cctttttgaa 360  
aacaaaactg gtgggtaa at ccttggttga accaattggg gcntccctcc atcc 414

<210> 17392

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-027-Q1-E1-B8

<400> 17392

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acgacagaag gggggctgtg ttggnagaac ttggttaaca gtcttangtc tcaattgttt 180  
ggcttatgga aaccacaca tgcattgagca gcctctgang ttaccttat gtcttacatg 240  
atcattgttg aataattcat tgggagttaa tgacaatggg agctttcaaa tatctgatta 300  
ttttgtattg atacatgcac aatgctagat ttgtatccat nagatagttg cataaaccac 360  
tatactatac cctcgatct tancttattt tcattgatat ccttggttgt ttgtgctgta 420  
aacatatc 428

<210> 17393

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-027-Q1-E1-D10

<400> 17393

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gtaaagaagg gaaccagcta caccttcgac atcgtcgaga ctcaggagaa gctacaagga 180

ggccatgatc atgggacgtt ggtgccgagg agaacaacgc aaattgcaan tgcaantccg 240

gccctcttgc anctnecgttc aacngcattg ctggcccaat taatnaagct tccttaancn 300

anaantgtna tatgaataaa agttgaannt ggggccnacc atttagccca antccccct 360

attanaaacc nccccanaa nggggtnatt tantggggta ggcccttnc ttccttcc 418

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<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-027-Q1-E1-D2

<400> 17394

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atgtcttctt cgtctcttat caaattggct gattttggac tggcaacctataataaagcct 120

ggcgaaaagc tgagcggaac agttggtagt ccgttttata tagccccgga agtgttagca 180

gggggtataa ccaagctgct gatggctgcc gatttgagat tttctgcaga gccatgggac 240

aatataactt catacgccaa ggatttgatt cgcgggatgc tttgtgtgga tccttcccaa 300

aggttatcag ctgacgaagt tctagctcac tcttgatgg agcagttatc tgaatcaggt 360

caagaacaat atgatnaagg atgggtttgg ttgtgaagga ttggagaatg gggaatgtcc 420

tttctcaaac aatg 434

<210> 17395

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-027-Q1-E1-D3

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gacgggtgct tgggaagtcg ataagtccag tgaagctga tgaactcact ctcaagagaa 180  
atatacctaac cacgttcggtt gcttcttctt aaaagtcata tagcttgaag ctaagagaat 240  
aggagtgcgag agagtttata actgatactg ttttgagatt ttatgtttgt caagatcaag 300  
aacgtctgtg gttatttctg gttagttctg aaactctttt gaaccaagt ttatctgtct 360  
ctggtgaaca agcgaccacg ataatacataa acttcatccg cgttaaaaaa aaagggtcaat 420  
aatgggccaan gctcct 436

<210> 17396  
<211> 419  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-027-Q1-E1-D5

<400> 17396

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agaggagaaa caactgagaa aattacaacc atgtcgagtt ctgaagatc caccggataa 180  
tggtttactt gtgccggaac ttgtcgacgt agctcactgt gttcaccgat gccgtaacat 240  
gttgctctct ggcctctcta aaatcattca tcatgttcct gttcatcggt gcagattgtg 300  
cgctgaggtt catattggca agcaaggtca tgaaatcagg acttgactg gtccccgggag 360  
tggttcaaga agtgcgactc atgtttggaa aagaggaaga gtgaattgat gttgtgttg 419

<210> 17397  
<211> 173  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-027-Q1-E1-D6

<400> 17397

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gagaagacga cagaagggtta cggctgcgag aagacgacag aaggatacgg ctgcgagaag 120



acgacagaag ggtctgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngcg gcc 173

<210> 17398  
<211> 416  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-027-Q1-E1-D7  
  
<400> 17398

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tgattcggct ccagcgattg agactgaaac tgtttctgat gcgatggagc atacagcgat 120  
cggagtgggt gaatcgggtg aaggagccat agaaggagca gagaaatggg tgggtgattt 180  
gcaacggacg gtgaaggaat cgaaggatac cgcaatgcgt tctgctcggt ccctccgtga 240  
aaattctacc tctcagttcc gctccatata ggatttcatt ccacatgctt tgactcagta 300  
taagacctat gagaatgctt tcttcagtaa agttacagac gaattgatat acgcaaaaaga 360  
acatccggct gctgctantg ggattgggtg cgctgctatc tcgttctgat ccaagg 416

<210> 17399  
<211> 649  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-027-Q1-E1-E12  
  
<400> 17399

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acagaagggc agtcnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngcgcc gctctagagg 120  
atccaagctt acgtacgcgt gcatgacgac tcatagctct tctanagtgt cacctaaatt 180  
caattcactg gccgtcggtt tacaacgtcg tgactgggaa aaccctggcg ttacccaact 240  
taatcgctt gcagcacatc cccctttcgc cagctggcgt aatagcgaag aaggccccga 300  
accgattcgc ccctttccaa acaagtttgc caagcctnga aatgggcgaa atggggaacg 360  
ccgcccctgg ttaaacgggg cgccaattta annccnccgg gcgggggggt ngtntggttg 420  
ggtttaacgn ,cccccaaanc ggtttaaccc ggncttaaac aanccttttc cccaaagcng 480

cccccttaa aaccggcccc cgggntccc ccttttccn gcccttttcc ccttttcccc 540  
 ctttccccct ttttccnccg gcccaaaagg gtttttccnc ccccgggggn ttttttcccc 600  
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<210> 17400  
 <211> 460  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 17400

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 gaatccatac gtctctttgc ttttctccga tcggtttctt tttctcatcg ccggaacgct 180  
 ttggtaatgt ttctcatttc tccgatcatt attgttgttt cgccggtgag ctgattattt 240  
 cgtgttggtg tgtataaaca agccgatcgt tgtttccctt tttctcttgt gattgtgtga 300  
 tgatggattg tttctttttt tcggtttaat ccggtttatt cccggttttg ctgctacatc 360  
 ggtgactttt ccacaatct tcgggtatga tcgcatcat gtccgttaac cggagtcggt 420  
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<210> 17401  
 <211> 440  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-027-Q1-E1-E4  
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 atctcagggc acaccaagaa ggaggctttt tcgctgaaac tttcaaagat ttttctgttt 180  
 tctctccac ctctcagctc cctccaacct ttaaggtgga cagagctgtg agcacaagta 240  
 tctacttttt gcttccatct gtgagcgttt ctgctcttca tcgcatacca atggctgaaa 300

cctggcactt ttatttgggt gaaccctta ctgtagtga actctacgat gatgggaagt 360  
 tgaaattcac atgtcttgggt cctgacttgt tttgaaaggt gattagaagc ctcaagtaca 420  
 cggtcctcc aaaacgtctg 440

<210> 17402  
 <211> 438  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-027-Q1-E1-F2  
 <400> 17402

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 ggttgatact ttgctaaatc atgtaattga tggtcacttg aagaatcctg aagacaaaac 180  
 aaatcaagat cgccctgata tcatcgactc gatcttagag actatttata aacaagaaca 240  
 agatgaatct ttcaaactca ccattgatca tctcaaagga attatccaaa atatatatct 300  
 tgctggagta gacacaagtg ccatcaccat gatttgggca atggcagagc ttgttaagaa 360  
 cccacgggta atgaagaaag ctcaagaaga gatccgaaca tgcattggat caaacagaag 420  
 gagagaatcg aagaagaa 438

<210> 17403  
 <211> 433  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-027-Q1-E1-F4  
 <400> 17403

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 nnnnnnnnnn nnnnnnnnnn ncttacgtcg acgatcactt aatgtgcat gttgcaggca 180  
 accgcctcac cgccgccgca attctcggcc aagacggtag cgtctgggct cagagcaaca 240  
 attttcctca ggtgaagcct gaggaaattc agggcatcaa agacgatttt actacacctg 300  
 gaacacttgc cccaacagga ttgttccttg gtggttaaaa gtacatggta atccaaggag 360

agcctaattgc cgtcattcga ggaaagaagg gagctggtgg tgttacatca agaagaccac 420  
 cttagctttg gta 433

<210> 17404  
 <211> 463  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-027-Q1-E1-F6  
 <400> 17404

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 gtacggctgc gagaagacga cagaagggtta cggctgcgag aagacgacag aagggtacgg 120  
 ctgcganaag acgacagaag ggtacggctg cgagaanacg acagaagggt acggctgcga 180  
 gaagacgaca gaagggtacg gctgcgagaa nacgacanaa gggtagcggt gcganaagac 240  
 gacagaaggg tacggctgcy agaagacgac agaanggtac ggctgcgana anacnacana 300  
 agggtagcgc tgcnagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta 360  
 cngctgcygan aagacgacan aagggcggcc gggaaactgc tantgggttg ttaggtctat 420  
 cgatttagcc ggttagttc ggttaaccgt tggcgttcat aac 463

<210> 17405  
 <211> 427  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-025-Q1-E1-C12  
 <400> 17405

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 ggcagtgtca accccgatta cttcgatttc aatcggtaca caactctcga tccttacgtc 240  
 gatgatcttc tcaacatcgt tgattcactc ggaatccaaa actgtgctta cgttgggtcac 300  
 tctgtttccg ctatgatcgg aatcatcgct tcgattcgct ggccggagct tttctccaag 360

cttatcttga tcggattttc gcttaggttt ctcaacgacg aggattatca tggaggattc 420  
gaagaag 427

<210> 17406  
<211> 439  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-025-Q1-E1-C2  
  
<400> 17406

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ccattgtccc tcaaaaggaa acatcagcag ggggagatgt ttatcccgtt gagccatttt 180  
ttgaccccaa ggtacatcgt attctcgacg ctactgggg acttctcact gacgaagata 240  
cnagtggact acggtcgcat actctatcat tgcttgtaaa tgatattcca ggagtcttta 300  
atattgtgac tgggtgttttc gtcnaaggg gatacaatat ccagagcttg gccgtangac 360  
atgctgaaac caanggcaat tcacgcatta caacagttat acctgcaaca gatgaatccg 420  
tcaacaaaat tggtgcaac 439

<210> 17407  
<211> 453  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-025-Q1-E1-C5  
  
<400> 17407

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gaagtggaga agacgaagag agaatgggaa gaagcgtacg agaagacgat tggacatatt 180  
atctcgattc aacagtacgg taaatcaagg aggggagatg gaaggagaag agaagtttcc 240  
gttacagagg ctcaacggat tggctcaagg atggtctctc tcttctcaat tcccttcaat 300  
tcaatttggg tcnngctcgca cctcaagctt ccttcngatg atnanggttc aatccaantc 360

aagtcactcc ttgaaaacgt ggaagaatcc aatatccaca agtttgangg gtaaacttga 420  
naaantgcta atttgcaanc taagggataa cat 453

<210> 17408  
<211> 441  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<400> 17408

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tgcgagaaga cgacagaagg gtacggctgc nanaagacga cagaagggtta cngctgcnag 240  
aagacgacag aagggtacgg ctgccagaag acgacagaan ggtacngctg cnanaagacg 300  
acanaaagggt accgctgccaa aaagacnaca naaagggtacc gctnccnnnn nnnnnnnnnn 360  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420  
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<210> 17409  
<211> 472  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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ttgtttgatg aatatttggga agacaaatca agggttttcg aagcaatgtt tccggataaa 180  
cccaaaaact ataggcttaa tgaggaagaa tggagaatcc aaatgttacc aataaaaatt 240  
ttcttctca ctggcgtgtc caattgggtgg tcatgccgga ttanatgcaa atcccaacgg 300  
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cctcaaacaa tgaacgaaaa ttnggaaacc ttcaaagggg cttgaaccgg aagttaattg 420  
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<210> 17410  
 <211> 491  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-C7

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 ggtacggctg cgacaanacg acagaagggg acggctgcga gaagacgaca gaagggtacn 180  
 gctgcgaaaa gacgacagaa ggggtacngct gcgaanaaga cgacagaagg gcacggcttg 240  
 ccaagaagac gacagaaggg ttacggctgc caanaagacg acataanggg tacnggcttg 300  
 ccaanaanaa cgaaccagaa anggggttacg gctngccaaa aaatgaccaa cctgaaaggg 360  
 taacgggctt gccnaanaaa gaccgaacag aaaaggggtt acngcttgcc naanaanaa 420  
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 ttgccaacaa a 491

<210> 17411  
 <211> 437  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-C8

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 aaccctagct ctcgataacc aattgctctc tgattctccg gcgaaatctc attcctctct 180  
 caaaccttca aaagcaagtt ctcaaacacc atggnaccga catcatccgc aaatctcaac 240  
 gcaagaatca ctttctcttc tccttccttg gtcttctcgc tctatctcc gccggctaac 300

atcgggcgat ntcgatngan tatctactaa aaaacctgtc ctctanetta aatttccaca 360  
 nggtcgtatg aaactttttg gaacgaattt ggtatccgaa agaacaagat acttgactct 420  
 tcaattccct agangag 437

<210> 17412  
 <211> 428  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-D10  
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 aaaccgcac tcgtcgtca gaccggactt aaccgaacag aaaaccgggt tccacggtct 180  
 tgcggatact tctaacttcg attgggctag ttttgccgggt aatggtgagc ataataactc 240  
 ggtaccggaa ctcggaatga gtcattgtgt tcctaattctc gagtacaact gtggctacct 300  
 gaagacggag gaggaagtcg agagcagtcg cgggtttaat aactcgggag agttagctca 360  
 aaaggggttat ggtgttgact cgtttgggta ttcggggcaa gttggtgggt ttgggtttan 420  
 gtgatgat 428

<210> 17413  
 <211> 122  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-D12  
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 aa 122

<210> 17414  
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 <212> DNA



<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-025-Q1-E1-D4

<400> 17414

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atcaacagag agagagatag atccatggag ggtcttcaaa gatcaacaat ctctttccgc 180

cgtcagggat ctcccggtat agtgtttgac gatcgtctca tcgccgaact caacaaatcg 240

ggaaacaacg aagcagaaag acgaaaagtc aacgcgacga acaacctaag cctatgtcgg 300

aaagctctga acaggtcaaa ccaatcgatg agaaagacaa gcntanaccg attaaaaacc 360

ggtggaggag caccangaag gaataganaa gganccattt aaccgtggag gagctcaacg 420

acatcattga acaancggga ag 442

<210> 17415

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-025-Q1-E1-D7

<400> 17415

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gttgggcttg atttgaaga actcaggcaa ctccagaaca tcgccaagag acctcgtgtt 120

ctcaatctca tcaattccga gatttcaaac ttggagaagc tgagagactc tgcagtcagt 180

tcaaatgcga aaccaaaggc accagttaca gttcctgcac cggtttcttc ttccgggtaag 240

ccggtttctt ctccggcatt gaactatgta actctcgga cttcanctg ggatcaagac 300

aatgacaaag tcaagatgtn catatccttg gaaggtgttg atgaggacaa ggttcaagct 360

gagttcaagc caatgtcttt agacatcaag attcatgatg tncaaggaaa aaattaccga 420

tgtgc 425

<210> 17416

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-025-Q1-E1-E11

<400> 17416

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aaatgtggat ggcattctga agaagtacat tgacagccaa atgaagaaac atggcagggt 120  
aacagattca ttagaggaaa ttctgaaagg cttgcgttgc tactttgaca aagctttacc 180  
ggtgatgttg ctttacaaca atgaacggaa gcagtacgag gaatccgtat caggggggtgt 240  
ttctccttca actgtgtacg gagcagagca tttgttgcca ctctttgtga aattaccgga 300  
gttgctagta catgtgaata tggcanaaga gacattgaag gaattgcagg acaactttgt 360  
tgatattctc aggttcttga ggaagaatca gagtgtgctt tttgtatcga catacaaagc 420

<210> 17417

<211> 449

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-025-Q1-E1-E2

<400> 17417

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atacggctgc gagaagacga cagaaggata cggctgcgag aagacgacag aaggggatcg 120  
caattcgtat cggtttaaag taaaaaagca atgggaggtg gtaaagacaa gcatcatgat 180  
gagcaagaga aaggatttca tggttttcca ggaggtggac attaccacc tgctcaagga 240  
ggttaccctc ctcaaggta cccaccacaa caagggtatc ctccagctgg aggctacca 300  
cctgccggat atcctcctgg tgcttaccct gctgcgcccgtgtggttatcc tcctgcacct 360  
tgaaggttac cctcctgctg gctatccctg cacctggagc tcaacaatca aggacattct 420  
ggtngtggac tccgangcat tataacaag 449

<210> 17418

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-025-Q1-E1-E4

<400> 17418

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tggcatcaaa cccccaatg ctaactagac aagctcacgg taacaagaag gaacaattgt 120  
ggaggaaaga gagtttaaat ttggagaaga agtgtgggtt ttgtgtganc gtttacagta 180  
atgaaaagct tgggaggtca catatggaga aagagtggag actaaaagcc ttttgggtcaa 240  
acatagctca gcctacgact ttggagatgg gaccattaa caacgttgaa gaactccatg 300  
ctgttctctc tcacgcacgc caactctctc aacctatcat catcnaatg ggatgggctt 360  
ccntgggtgt ccaaaaatgt tattaacctg aaancctaaa tttgngaaa anttaccggg 420  
caagaattat aattaaaccg agcaaaagtt ttttc 455

<210> 17419  
<211> 430  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-025-Q1-E1-E6

<400> 17419

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ggcgatagaa accctagatt tgattctccg tcggttatat ccagcaatgt cgttttttcc 120  
cccacagcaa caacagacgc ctcagccgct gtttcagact cagcaaactg cgttggttca 180  
gccgcagcaa accaattcca tcttctcgca atcgcaacca cagcaaacca attccatctt 240  
ctcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnttgt atttggtcac 360  
caacgataaa ntccggcgaa ttacagtact aagtgggccg atcttcatcc cgattctcan 420  
aaactcttgc 430

<210> 17420  
<211> 439  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-025-Q1-E1-E7

<400> 17420

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caagcgaatc ccgattaact gatcgaggag atgggtaata cagataagct gatgaaccag 120  
atcttgaatt gaaattttacg tcaaagtctc tgcagaggca agctaagaag tgcgaaaaag 180  
angagagatn ggagaaactc aaggtaaaga aagccattga gaaaggtaac atggatgggtg 240  
ctcggatnta tgccgagaac gccantcgca aacgcagcga anaagatgaa ctaccttcgt 300  
cctctccttc tcgaattgga cgccggttgt tgctccgact ccaataccca agcctaagat 360  
ggctaccatc accaaatccg atgaccaaca ttgtcaaate cctccgaatc gtctcttaca 420  
actgggcaac ttacagaag 439

<210> 17421  
<211> 420  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-024-Q1-E1-F12

<400> 17421

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tgatcacgcc ttgaaagtgt ttgataaaat ggctcaggca attgggtccaa gactgtatag 120  
ttgctgcaac tgcagaaacc atgttggact tcacgatgat atcatctcta aggcttttca 180  
gggaagaact gggcgagcct tcttgttctc ccacgcaatg aacattgtgg taggacctaa 240  
agaagaccgg aatcttctaa ctggtctaca caccgtggct gatatatctt gtgttgactg 300  
taacgaacca ttgggttgga aatacgagcg agcttatgag acctcacaga agtacaagga 360  
gggcaagttc atattcgaaa aggctaagat tgtcaaggag gattggtana actgaagaac 420

<210> 17422  
<211> 472  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-024-Q1-E1-F6

<400> 17422

gcgtccgtac ggctgcgaga agacgacaga aggggggagag agaacgaagc aaaaaacctc 60

gctcgctagc tatgtgaaga aactatcttc gttataaaac tttccggcga cgttttccga 120

cttccgagag cagggttttga ggtggtttta tgcgccaaaa catctaaccg gagtgtcggt 180

gtacggtgct tagtagtttt caataacacg cttcagttat ggggaatgct tgttgtgttg 240

ctactcgaga caaaatgggt gtgcctaata catcagcagt cgagaatttt caaagaaaca 300

atgtgaggtta ttctcctaac tggagcttcc gatgggataa tagagganga cgcgtggcag 360

gggaagagac ctctgttagt ttgttatctg atcggattaa tcgtaacaat gtctctgaag 420

tcnaatctga aactgctcct tgtatcatca caaggttctc ctttggacat tt 472

<210> 17423

<211> 476

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-024-Q1-E1-F8

<400> 17423

gcgtccgtac ggctgcgaga agacgacaga agggggacaca caccaacggt gannnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnaaa ccaaaaaatg gcagatcagc tcaccgatga 120

tcagatctct gagttcaagg aagcttttag ccttttcgac aaagacggag atgggtgcat 180

cacaacgaaa gagctaggaa cagtgatgag atcattaggt caaaatccaa cagaagcaga 240

gttacaagat atgataaacg aagtagatgc tgatggtaac ggaaccatag acttcctga 300

gtttctgaac ctaatggcta ggaagatgaa ggacactgac tctgaagaag agtcaaaga 360

agctttcagg gttttcgata aggaccaaga acggtttcat ctcggcagct gagttaagac 420

atgtaatgac aaatcctggt gagaaattaa ctgatgaaag aaattgatga aatgat 476

<210> 17424

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-024-Q1-E1-E9

<400> 17424

agatgaatgt tcaaaaagaa ctaaattgtg tcaatagaaa actcaacatt gctattacca 60  
gaatttccaa tccgtatggg gatcctaata ttcttgcaga atttatcgct ggacaattaa 120  
aaaatcgcggt ttcttttcga aaagcaatga aaaaagctat tgaattaact gaacaggcga 180  
atacaaaagg aattcaagta caaattgcag gacgtatcga cggaaaagaa attgcacgtg 240  
ttgaatggat cagagaaggc agagtccctt tacaacaat tgaagctaaa attgattatt 300  
gttcctatac agttcgaact atttatgggg ttttaggaat aaaaatttgg atattcgtag 360  
acgaagaata aaaaaacttc cttancttat attttatccg acgataaaaa aacgaaaatt 420  
a 421

<210> 17425

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-024-Q1-E1-G10

<400> 17425

ggctgcgaga agacgacaga aggggggttct ggatatattg atggattttt atgttttttg 60  
tgaaaagggtg agaacttggt tggagcaatt gatcacgcct tgaaagtgtt tgataaaatg 120  
gctcaggcaa ttggtccaag actgtatagt tgctgcaact gcagaaacca tgttggactt 180  
cacgatgata tcatctctaa ggcttttcag ggaagaactg ggcgagcctt cttgttctcc 240  
cacgcaatga acattgtggt aggacctaaa gaagaccgga atcttctaac tgggtctacac 300  
accgtggctg atatatcttg tgttgactgt aacgaaccat tgggttggaa atacgagcga 360  
gcttatgaga cctcacagaa gtncaaggag ggcaanttca tattcgaaaa ggctaagant 420  
gtcaaggagg 430

<210> 17426

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-024-Q1-E1-G12

<400> 17426

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gagaagacga cagaagggtta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120  
acgacagaag ggtacggctg cgagaagacg acagaagggg ggagcgattc ggtcaaaacc 180  
aacgctggat tacacagcag aagatttctc gtttcatatt tcgacaaact tagaatctgc 240  
ttatcatctg agccagcttg cgcctcctct gcttaaggct tcaggatgtg ggaacataat 300  
tttcatgtcc tctattgctg gagttgtatc tgctagtgtc ggctccatct actctgcaac 360  
gaaaaggggc attgaatcan ctagcaagga acttggcatg tgaattggct antgatgcat 420  
taagg 425

<210> 17427

<211> 543

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-024-Q1-E1-H1

<400> 17427

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agaagaacac atacggcaaa agaaagactg ttcctctgat tccggctaac tacatcagca 180  
tccttcagct ccaggagcgt tggctcaatg agaaagannn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nagcggagga ggagaaacct atgaatccaa attatcggaa gcattttggg aaaaaaaaaag 360  
gaatcctata gacgggcggn naaancacga tttccttnag aaaggagaaa acccggaag 420  
tcaccggtggc cattcgaaaa nccgttgga ggttnaaaaa tncccggcgg gntggnttta 480  
nccgaanaaa gaangaagaa agaattaaag gggaaccttg gnngggaaac canttttatt 540  
ttc 543

<210> 17428

<211> 461

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-024-Q1-E1-H10

<400> 17428

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agaagtcaaa gacgataaca atgacgtcat catcgtaact ccgatttgcg atcgccgctcg 120  
tagcttttct ctcaatcacc accatcacca ccgcacgtcc ttgcaaaacc ttcctaattct 180  
cctcatattc cctctcaata accccagaaa accctaacct cgaatccgat ttcacctcca 240  
cacgattcgt caccgttttc acaatccgtc gtctaaatcc tcatcacgtg gttcctttct 300  
tcgtcaatcg tcgtcacgag aagccacaga tccaatcgga tcgttccttc cctttgatct 360  
ctgataacat caattcgttt agagatngaa ccagagatat tcttagcgtc gtcgtcgcgc 420  
ctttgttcgg tggttggtgt ggggtgctta accgctgcta c 461

<210> 17429

<211> 503

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-024-Q1-E1-H2

<400> 17429

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gcgagaagac gacagaagga tacggctgcg agaagacgac agaaggatac ggctgcgaga 120  
agacgacaga aggatacggc tgcgagaaga cgacagaagg atacggctgc gagaagacga 180  
cagaaggata cggctgcgag acacgacaga aggggtacggc tgcgagaaga cgacagaagg 240  
gtgggtagag agctgggagc gagaagatac ttatgctgct cttgctgttg tctgtgctgc 300  
tgcttccgtg gctgttgctt atacttgcta caaacagttg taacgaagaa atttgtagcc 360  
ctaagatgat tgtgtattgt gttcttataa gacattgtga ttttgtttct gctttcaaac 420  
tacattttcc tttcnattta aangaagggt cctgtcaaaa ctgtttgatg atatgtaccc 480  
ggttaactcc gccttccgcc ttc 503

<210> 17430



<211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB35-024-Q1-E1-H8  
  
 <400> 17430  
  
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 cggcttttgtt ggccattggg gaagtaacaa atgagatctc aggaggaagc agtgactttt 120  
 tcccaataag accaaatgat tacggaaggt ttcttgtgct ttcgcttgga accggaaatc 180  
 ataaagccga agagaaattc aatgcaaaag aagtagctgg ttggggacta ttgaattggg 240  
 taacacacga caactctaca cctatcattg atgctttctc gcaagctagc tccgacatgg 300  
 ttgatttcca tctctctgcc gtttttcgag ctcttcattc cgaagccaac tatattcgca 360  
 tccaggatga cacattaact ggggatgctg cttctgttga tctcgctacc gtcgagaatc 420  
 ctggacattc ct 432

<210> 17431  
 <211> 429  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-024-Q1-E1-H9  
  
 <400> 17431  
  
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 gttccgtttc ctcaactacc gatgccaata gaaaacaact acagagcttg cacaattcct 120  
 tacagatttc cttctgatga tccaagaaa gccactcaa atgaaatctc gtggatcaac 180  
 gtcttcgcca attccattcc ttctttcaag aaacgtgcag agagcgatat cactgttcca 240  
 gatgctcctg ctagagctga aaaatttgca gaaagatatg ctgggattct tgaagacttg 300  
 aagaaagatc cagagagtca tggcggacca ccagatggca ttcttctatg ccgacttcgt 360  
 gagcaagtac tcagagagtt aggatttagg gacatattca agaaagttaa ggatgangag 420  
 aatgcaaag 429

<210> 17432  
 <211> 441

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-B11  
  
 <400> 17432  
  
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 nnnnnnnnnn nnncttctgt gtttgatttc tctgcatctg cctcctccgc taaaaacgcc 180  
 ggccttcctt cagctgacga cgttttctct cagatttcag ggccaccggg agtttctaaa 240  
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 ttantcccaa aaagaaagaa agtttaanca aaaagggtgt gtcatgggaa gcaaaanctc 360  
 aactagttag gaatccatga naganntaga aacgatatng ntggaacccc catcntnaaa 420  
 naattgggga aaagcgggta t 441

<210> 17433  
 <211> 435  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-B2  
  
 <400> 17433  
  
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 aggccctggg ctagtgcggc gaatgcagaa gttatcgatg cgcttcctta tatagacgac 180  
 gactatggca atccattgat taagtcggag gtagaccgtt tgggtggagga agagatgcgt 240  
 cggagctcta agaagccagc tgagtttcta aaggacttgc ctctcttcc gaagttcgat 300  
 ttaagaact gtcctgttc ttgggcaaaa gagtatganc cgtgttanag ctgggaaacc 360  
 tcctgtgcgg ataaanttcn aatcccgaata caaaacttga aatgncaact gncaataaga 420  
 agaatgatga tgctg 435

<210> 17434  
 <211> 439

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-B4  
  
 <400> 17434  
  
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 caaccctatg ggcttacttg atcatctctg ggatgatact gtcgctggtc cacggccaga 180  
 gaacggcctt ggcaagcttc gtaaacaccg taccttcagt ttccgaccta gctccggcaa 240  
 tgatcaatcg gaagctggaa gtgtgagatc gtacggtgag gattcgctac cggaagaagc 300  
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 gntctctga acaaaaaca 439

<210> 17435  
 <211> 428  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-B6  
  
 <400> 17435  
  
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 gaggttctgg taggttctac gtttagggat cgtagcagcg tcacgacgca tgatcaggcc 180  
 gtaccggcgt ctctgtctag ccggattggg ttgaggagat gtggtagatc tcctccgccg 240  
 gagagttcgt cgtccgttgg agaaaccagc gaaaacgagg aagatgaaga cgacgccgtt 300  
 tcgtcatcac aaggaagatg gctcaattcc gtttagttca tctttggaag attctcttcc 360  
 gattaagaga agattatcaa accattacat agggaaatcn aatcgtttgg ggaatttaat 420  
 gggaagcg 428

<210> 17436  
 <211> 459

<212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-024-Q1-E1-B10

<400> 17436

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  180
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ttccaaaatc ttggtatctc atctaacggt tcagatttct cctatccatc aagtttctact  300
gccagaaga acctcactgc ttctcgagct ctctcccaa acggaatat cgaaaaccct  360
agaccaagca aagttcaaga actgagtgtg tacgaaatca acgaaattag atngacacaa  420
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<210> 17437  
 <211> 507  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-024-Q1-E1-B2

<400> 17437

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gttctggata taacttatgc aaaagaaaga ggtacaaaag ggtagagga gactttggac  180
cgaatttgtg atgaagcaa tgaagcaata aaggagggt acacattact ggttttgtct  240
gatcgagctt tctctgcaac acgtgttgct gtgagctccc tcatggctgt tggtgccgtt  300
catcaccacc tggtaagac acttgcgcg acccaagttg gtttggtagt ggaatctgct  360
gaaccacgtn aagtgcata tttctgcaca cttgtccgga tttggagcag atgctatcct  420
gcccataatt tggctgtaaa ggcgtttata gattacaggt tnatggcaa tacaacaaa  480
tctaattggg aaatccaatc caaagaa                               507

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<210> 17438  
 <211> 449  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-024-Q1-E1-B8

<400> 17438

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gcgtccgtac ggctgcgaga agcgacagaa ggatacggct gcgagaaaac gacagaaggg 60
tcctaaggaa agagaaagac gggttccgat gacaagactt cggaaacgag ttgcaacaag 120
attgaaagac tctcaaaata ctttcgcggt gctgacaact ttcaatgaag ttgatatgac 180
aaatttgatg aagctccgat cccaatacaa ggatgcatgt tatgaaaagc atggagttaa 240
gttggggctt atgtctggat ttattaaagc tgctgttagc gcccttcagc atcaaccagt 300
tgtaaattgca gttattgacg gggatgatat catatacaga gactatgtgg atatcagtat 360
cctgttggtg cctctaangg acttgtagta ccngtcatan naangtgctg atcaaatgaa 420
ctttgccgag atcagaagac aatacnctc 449
```

<210> 17439  
 <211> 412  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-024-Q1-E1-B9

<400> 17439

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agatgaatgt tcaaaaagaa ctaaattgtg tcaatagaaa actcaacatt gctattacca 60
gaatttccaa tccgtatggg gatcctaata ttcttgacga atttatcgct ggacaattaa 120
aaaatcgcgt ttcttttcga aaagcaatga aaaaagctat tgaattaact gaacaggcga 180
atacaaaagg aattcaagta caaattgcag gacgtatcga cggaaaagaa attgcacgtg 240
ttgaatggat cagagaaggc agagttcctt tacaacaat tgaagctaaa attgattatt 300
gttcctatac agttcgaact atttatgggg ttttaggaat aaaaatttgg gatattcgta 360
gacgaagaat aaaaaaactt tctttatctt tatattttat ccgacgataa na 412
```

<210> 17440  
 <211> 421

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB35-024-Q1-E1-C10  
  
 <400> 17440  
  
 ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg ggaagataaa 60  
 agattcaacg ggaaaaaagc tttatctgaa gcctctgtga ttgtaaggga acacactcca 120  
 ttgacaaatc tattcatgtg cctctgggtc aatgaagttg tccgcttcac ttcgcgtgat 180  
 caattgagtt tcccatacgt tctttggcgt ttgaaagttc tcaagaacat caacatgttc 240  
 cctgtctgta cacgtaaaga tctcgtcaat agcataggcc atgtacgcaa ggctaaaccg 300  
 ttagttaccc tatgaattta ctgtaagctt ccaattcatt ggttatttta gaatcttttt 360  
 gtatttagcg ttagacata aaaacagaac tgacatgttt taaactgaaa ccgaactaaa 420  
 c 421

<210> 17441  
 <211> 518  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-024-Q1-E1-B1  
  
 <400> 17441  
  
 ctggttgcnt gggttacggg ccnaatntcg ggangacca cgcgtccgta cggctgcgag 60  
 aagacgacag aaggggagat ttgatttctt tgcgggcttg ttaatggcga acccagggca 120  
 atcaaaggga tggataaaga aatggacgtc tatggcttca tcggtttact tcgtcttgat 180  
 cttattccag atccctctct tcagagttcc atgtagatct ggtatgtgtt catcgccaat 240  
 ccatgtgaca tcgtctcagt tgatttctag tgagatcttt cctgttccga tgattaaggc 300  
 tctcttatac cctggtgctg tagtcaatgg ccttgccatc aacatgacat ttccaaagtg 360  
 ggaaaatgtg ttagatatct acaatctcac caatgtgaaa ggagcttctg cagtgaccga 420  
 ttttcaacgc ctaaaagggt cntgcangga gctacttttc tgtaacctgg gggcgtttgt 480  
 ggggttgcta aaacctggaa aggatnacia gtttgggt 518

<210> 17442

<211> 461  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-024-Q1-E1-C11

<400> 17442

gcgtccgtac ggctgcgaga agacgacaga aggggatgac gtatctaag aagtaccac 60  
aagtgttgaa gaaagctcaa gcagaagtga gagagtatat gaaagagaaa ggttcaacgt 120  
tcgttactga agacgatgtc aagaaccttc cttacttcag agccttagtt aaagaaaccc 180  
taaggatcga accagtgatt cctctcctta tccctcgtgc ttgcattcaa gataccaaga 240  
tcgccgggta cgacatcccc gcaggaacaa cgggtcaacgt caacgcgtgg gccgtgtcac 300  
atgacgagaa agaatgggga ccgaaccctg atgagtttag gcccgagagg tttcttgaga 360  
aggaagttga cttcaaaggc acggactacg agtttatacc gctcgggtca ggccgganat 420  
gtgcccggga atgcgtcttg gggccgcaa tccttgan t 461

<210> 17443  
<211> 436  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-024-Q1-E1-C2

<400> 17443

ggctgctnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntgctgaaaa gcgtcgatga 120  
ggaggttggt gtggccgagg aggggatcag ggagaagata ggtagtgtac agctgacgga 180  
ttccaaacat tctttcttga gctccgatgg gagcctccct gttcatgccg gtgaaagatt 240  
aggccgtggt atagtgcgg atgctatcac tactcctgta gtcaacacat ctgcctactt 300  
cttcaagaaa actgctgagc ttattgactt caaggagaaa aggagtgtga gtttcaatat 360  
ggcggtaang taaccacga actgtgtact tgaagataag ataatncact tgaagggtg 420  
aatcaacttt ggttat 436

<210> 17444

<211> 525  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-024-Q1-E1-C3

<400> 17444

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tttctgcnc ctaccggtcc cgaatcccgg gtacgaccca cgcgtccgcc cacgcgtccg 60
tacggctgcg agaacgacag aagggaaaag agggtcacat gctaaaagtg aagctcaaga 120
caaggggtatt agcattataa ggctacgtgc agatctccag aatgccattg acagtgagga 180
ttacggtttg gcagctaagt tacgagatga aatctcaaag cttgaggcag aatcattagc 240
tgtatctgcg aaagccttgg cttttgagaa agcagagtat gcatttcgtt tgggacagaa 300
acttagacac aaaacttttg gttaccgggc tgtaatgtgt ggtatggatt caaattgcag 360
tgaatcaagc ctcttgatg gaaacctgca aaagttnaaa aattacctcc tggattcaat 420
caaccaattt atcaaggtcc aatccaagtt ccggacgcan ccaaatttac taaatggcat 480
aagttgccga aaacaatctg ttaacncctg aaaaaacca taaag 525
```

<210> 17445  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-024-Q1-E1-D10

<400> 17445

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ataaaaacaa aaacatataa tttgggtttt tagagttcga aacttgaaat cttttttttt 60
tggttgctga ggaatcgaag tagaagagta taaatgggtg ttagagagaa agatccgta 120
gccagttga gtttgccacc aggttttaga ttttatccga cagatgaaga gcttcttggt 180
cagtatctat gtcggaaagt tgcaggctat catttctctc tccagggtcat cggagacatc 240
gatctctaca agttcgatcc ttgggatttg ccaagtaagg ctttgtttgg agagaaggaa 300
tggtatttct ttagcccaag agatcggaat tatccgaacg ggtcaagacc caatagagta 360
ccgggtcngg ttattggaaa gcaacgggta ctgacaaaat tatcacggcg gatg 414
```

<210> 17446



<211> 460  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-024-Q1-E1-D2

<400> 17446

```
aagacgacag aaggggggaa ggcggcgaag ctgattgcaa ctggctcagg acatttgata 60
aaagggattc tttggtgtgg agatgtgact atggataggc ttatttgggg aaatggtttc 120
atgaaaagga ggttgtcaaa ggctgagaag gagagtgaag ttcaccctga caccttgaaa 180
agaatcagaa gagtgaagag gatgaccaa atgacagaga gtgtagcaaa cagcatactg 240
tctggagtcc ttaaagtttc tggattcttc acaagttcag tggcaaacac caaagtagga 300
aagaaattct tcagccttct tcttgaaga agtcacctt gcctctcttg acggattcaa 360
taangtctgt gaaccctgtt gaaataacct gggaaggaat gttaatgtca anctccttc 420
aactgttaca aaccgaactc cgttgatnac caaattatgg 460
```

<210> 17447  
 <211> 440  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-024-Q1-E1-D6

<400> 17447

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acagaagggg actcgagatt tttcgtctt gagagaatca ctcgacaat gtcggtaacg 60
gctgctttca ttgattcgga tcaaactcag cacaacattc ttatggattc ccaatcaact 120
gtctccggtg tgaaaactgt caagattagc aatgtttcac taattgtttc taagaaagat 180
gtcaaagagt tcttttcttt ctctggtgac attcaatacg tcgagatgag aagtgagaca 240
caagagagtc aggtcgata tggtactttt aaggattcac aaggagctga aactgcaatg 300
ctcttaacgg gagctgtcat tgcagatctt cgtgttagta taactcctgc tgtaactat 360
cagctaccaa cagaagccct cgcactcgac tcggaacatt cgtttaatgg gttttcctgt 420
caagaaagcc tgaaagatgt 440
```

<210> 17448  
 <211> 464

<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-024-Q1-E1-D8

<400> 17448

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gcgtccgtac ggctgcgaga agacgacaga aggggaaaac aaaacgtaat aaaaaagtgt 60
ataaaaat tttt atggtgaaaa tacaccagaa tgattgaaat ggaaaggctt accttttggg 120
ctatggaagc ggccggatcg gacacagggc taagtatggc tcgagccttc gtctcacgat 180
gcaaaccggt ctttgctatg cttaaccgtt ggcaatggat tgtaccgggt ctagggaaaac 240
ggtttgatcc atcacctagc cggtttgatc gactaaccat tcggttttct ccgagatgat 300
ccgtacggaa cactccat ttttgaaga gctccggcgt tgtcttcacg atcatacttg 360
tcattttctt tcttatataa aagcataaac cacttanata aatntnatat ncttacnttt 420
angaattgta tatancnna aagaagtta agagaaangg agtg 464
```

<210> 17449  
<211> 473  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-024-Q1-E1-E7

<400> 17449

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cgagaagacg acagaagggg gagagagaga gatgtcgctt atgtatgaga agagcaatac 60
atggagatgg ctagtgatga agacgcgaga ttcgagatcc ttcttcttca cgttcgctgc 120
tttatgtggt gtcattcctg gcgttattgg ctatggagtt atgcagggtca ccaattccag 180
taaccctgag ctgaagccc gctccgtaa atctgctcgc ccagatactc tcatgatggg 240
taaagtaaac caagagaggc tagctgaata tcttggtgag ttgaaacaga agcaggatac 300
aaacgacaga tacgttgctg ctcttagggg agagactctt accaggaagc cttatcaaag 360
aatccaacca atgccaaagc cagatgacac ggtgacaacc aaaactcagt taggatgaat 420
taatttaaag agtcaatggt tagtgaatgc ctcccantcc aatccttgct caa 473
```

<210> 17450  
<211> 409

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-021-Q1-E1-H6  
  
 <400> 17450  
  
 gagaagaaga agaaggaatc gaaaaatgaa gactccgac caccggttt cgacatgggt 60  
 gaggaggcag cttccaaagg tgaaagcttt ccttgccgtc gtatctggca tggcggctct 120  
 tgttctctc aaactcatcg ttcacgatca cgacaatctc ttcgttgccg ccgaagctgt 180  
 tcattctatt ggaatctctg ttcttatcta taaactcatg aaggagaaga cttgtgctgg 240  
 attgtcattg aaatctcagg agcttacggc gatatttcta gctgtgaggc tttattgcag 300  
 ttttgtaatg gaatatgata tacataccat tctggacttg gctactttgg gaacaactct 360  
 cctgggttat atatatgatt cgttttaacc tcaaaactac ntacatgga 409

<210> 17451  
 <211> 470  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-A1  
  
 <400> 17451  
  
 gcgtccgtac ggctgcgaga agacgacaga agggggagag cgaagaacac aatcccagag 60  
 tagcagaatc tgatccatcc cacctttttc aattctcagg caaagataag tcaaacttga 120  
 aaaaatgtaa gggaccgtgt tcacgccttg tttggaagga atgaagcatg tcaaacttga 180  
 tcaaggcgag atgcttacta agccattttt agagctttgc aagaccatct tgctgttat 240  
 agataaattt ggagctgcta tgactctcgt gaaatctgac attggtggca acataacgag 300  
 gttggagaag aactacttat ctgatccga caaagttcaa gtacttgtag acctttgggt 360  
 caaagtccga aaattgatcc naagatagca aaaaggttct ccancgttc aaacngtcct 420  
 cccctgggtt aancaaagca atgggnttcc taatggagct gtttccnaaa 470

<210> 17452  
 <211> 436  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-022-Q1-E1-A11

<400> 17452

gaaaaagana gatggctgaa gcagcgagaa gacaaggtgg tgggatgacc attaccgcca 60  
cctccgagag gcgttaacca ncaacctcct cgccctaaac ctgaacctgt cgatcgtgaa 120  
aagacatgtc cccctcttct tctgtttttc accaanagtg gtggatcatca tactantgaa 180  
gattatgctg tgagaggcag nagaaccaa ggatgaagtt caaatctaca cttggaaaga 240  
tgccagtctt cgcgagctaa cagatttggg taaagaagtt tctgtagcag ctatgagaan 300  
gaatgctana ttgtcttttg cgtttgttta tcctaacaat aaaggtggct ataatgtgag 360  
aaaagttggg gatacgatng cttatccaaa ccgattacaa ccagatnaca gttaaaacgc 420  
tttccgaaac ttccgt 436

<210> 17453

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-H2

<400> 17453

atgaatctaa agcaattgtc agatttcagc atctcccatg gaggaatcaa gattcgattc 60  
tgaagatgtt gattatgctg agattgttgt tgttcgtcat ggtgaaacat cttggaatgc 120  
cgagagaaaa atccagggtc atttgatgtg tgagttaaata gatgcaggaa gacaacaagc 180  
acaaagagtt gcagagcggg tatcgaagga gcagaagata tctcatgtat actcttctga 240  
cttgaagaga gcctttgaga ctgctcagat cattgctgct aaatgcggca agcttgaggt 300  
gcttaccgat cgtgatttgc gggaaagaca ttaagagat atgcaaggac ttgtgtatca 360  
agaagcttcg aaaattcgcc cggaagctta caaggctttt tcatctaacc gcacagacgt 420  
tgatattcca ag 432

<210> 17454

<211> 504

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-022-Q1-E1-A4

<400> 17454

ctaggctccg gaatccaggt cgacccacgc gtccgtacgg ctgcgagaag cgacagaagg 60  
gggactcact cagtgtgcgc gattcatttc aaaaacgagc cagcctcttc ttccttcgtc 120  
tactagatca gatccaaagc ttcctcttcc agctatggct gcttcagtac actgtacctt 180  
gatgtccgtc gtatgcaaca acaagaatca ctctgctcgg ccgaaacttc caaactcgtc 240  
tttgttacct ggattcgatg ttgttgttca agctgctgct actcgattca agaaggaaac 300  
aacaaccaca agagccactt tgacgtttga tccaccaacc actaattctg agagagctaa 360  
gcagagaaaa cacaccattg atccttcttc tcttgatttt caaccaattc catcttttga 420  
agaatgcttt cctaagagca ctaaagaaca caaggaagtt gcccatgaag aatctgggtca 480  
tgttcctaaa gttccctttc gtcg 504

<210> 17455

<211> 506

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-022-Q1-E1-A5

<400> 17455

aaacggaatc ngggtcgacc cagcgcgtccg tacggctgcg agaacgacag aaggggggtcg 60  
tcgcgtctct tttctggaaa aaacgagaaa ctgtgatctt ggccctttta ttacccttat 120  
cctcttcttc ttcaatctct ccgatcaaaa tccttttaag ctctgtagac ccaggttacg 180  
cagagaagaa gaacagaaca aggaattata taatcattgg cttgatcaat ctgaattgca 240  
gttcatggcg ctaaaccctc aattactacc caatgggatg cctgttcctt ttgttaatga 300  
aatgttcgtc ctagtccgag atgggtgttg agtttgaagt cgacaagatc cctggnaggg 360  
catgggaggt catggttaaa gggcnaaggg gggtgattta cttggccnaa taatacggat 420  
ggncctttgg ttcaagcaag nccgtgttgan aacttggtgg ctttgganaa ggccccngct 480  
taaaaccaag gcccgggaaa atttat 506

<210> 17456

<211> 440

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-A6  
  
 <400> 17456  
  
 gcgagaagac gacagaaggg gaagccggtt tcaaattaag gcgaagagag ggtcttgtga 60  
 gtcagaagag tggtgaagca atgcttatta caagtcatgt gagaagaaac tcccaacaca 120  
 ataatggcga cgctagcgag aaggagaatt ttgaggatga cattgtattg gatgagggtt 180  
 acagatctta tctcaaacgg ttagtggaag attcgaaaag ttcaagaact aatcctgaaa 240  
 aagagataaa agtaaagtgt gaggaggatc atacagtgtc tttgtctgat tctgattctg 300  
 atattattgt gggtggagat tgtccatttc tggaagaaga ggattctcca tttgtgccat 360  
 caaaaagtta taaagtgatt gatttggatg aagagagcag tgatnaacgc aattcctggg 420  
 ttaggagggg gataatgaat 440

<210> 17457  
 <211> 511  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-B3  
  
 <400> 17457  
  
 aactggttgc ggttctctacg gcncangaaa tcgcgaagtc gaccacgcgn tccgtacngc 60  
 tgcgagaaga cacagaaagg gcaaaaaaga aaaaaaaaca canaaaattt caatggccgc 120  
 ctcaacaatg gctctctctt ccctgcttt cgccggaaag gctgtgaacc tttccctgc 180  
 ggcatcagaa gtccttgga gcgccgtgt gacaatgagg aagactgttg ccaagccaaa 240  
 ggtccatca ggcagcccat ggtacggatc cgaccgagtc aagtacttgg gtccattctc 300  
 tggcgagtca ccagctacc ttaccgaaa attccctgga gactacggat gggacacaac 360  
 tggcttatcc gctgaaccg agacattccc aaggaaccgt nagctaaaaa ttatccacag 420  
 cangtgggcc atgctccgga nccctaaggt gcgtcntccc tgaacttttg gccagaacg 480  
 gaatcnattt tgaaaagcat ttgtccaag n 511

<210> 17458  
 <211> 516  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-B4  
  
 <400> 17458  
  
 cggttgcttg cctacggctc cggaatccca ggctcgacca cgcgtccgcn anaagacgac 60  
 anaaggggac naaaggaaaa tatgagttag gagaagagga agcaacactt cgtgctagta 120  
 catggtgctg gccacggcgc atggtgctgg tacaaggtta agcctcttct cgaggctttg 180  
 ggccatcgtg taaccgcctt agacctagct gttccggta tagacacaac caggtcaatc 240  
 accgacattt ctacatgtga acaatattct gagccattga tgcagctaata gacttcattg 300  
 ccgaatgatg agaagttgta ctctgtggtc atagctttgg aggtttgagt ttagccttag 360  
 ccatggataa gtttcccgat aaaatctctg tctctgtctt cgtgactgca ttcattgccc 420  
 acaccaaaca ctaccatcg ttcgtcgagg aaaanttgca agcagcatga caccagaaag 480  
 gatggatggg ctctgaactc nagacatatg gttcag 516

<210> 17459  
 <211> 449  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-C1  
  
 <400> 17459  
  
 ggaagtcgaa atccgctaag gtagtgtaa caactcacct gccgaatcaa ctagccccga 60  
 aaatggatgg cgcttaagcg cgcgacctat acccggccgt cggggcaaga gccaggcctc 120  
 gatgagtagg agggcgcggc ggctcgtgca aaacctangg cgcgagcccg ggcggagcgg 180  
 ccgtcgggtg aaatcttggg gtagtagca aatattcaaa tgagaacttt gaaaggccga 240  
 agaagggaaa gggccatgt gaacgggcac tttgcacatg ggtagtcna ttctaagaat 300  
 ccnggggaaa acccttctga taaccgnta agccccgaac tttcaaaagg gattccggtt 360  
 taaaattccc ggaaccggga acnttgccgt tnaccggcaa acntttangg aatcccngaa 420  
 aacntncggc ngggggcctc ccgggaaaa 449

<210> 17460  
 <211> 509  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-C11

<400> 17460

tncacaggtc cggaactcgc gggncgacnc aaagcgctct gnacntgnct cctntanagg 60  
 ctgccgaaag acgacagaan ggggcatcca aaaaaaacan tacanaaaat tatattcaag 120  
 agaaaaagga aaaaatgaat ttcattctccg atcaggtana gaaactctca agtcaacac 180  
 cagaggagcc agaccacaac aagccagtcn aangaaccga aacagctaca agaccagcta 240  
 ccaacgccga gctcatggca agtgccaatg ttgtanctga agctgctcaa gccgcagctc 300  
 gtaacgaatc agacaaactc gacaagggtg aagtcgccgg agcctctgct gatattcttag 360  
 acgctgcccc gaaatacngt aagttcgatg aaaagagtna ccaactggta agtacctcna 420  
 acaaggctga gaagtntctc aaacgactaa caagtcgtca cactccaacc ggtgctgggtg 480  
 gtctctctcc tccgacgaat tcaggctgn 509

<210> 17461  
 <211> 465  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-C12

<400> 17461

gcgtccgaga cgacagaaag gatggatagt ttattacaag ggtttttgga tgagcataga 60  
 gctaacaaag acagattgga gtttaagaac accatgattg ctcatttact tgattctcaa 120  
 gaaaaagagc ctcataacta cagtgatcaa accatcaaag gtcttatact gatgatggta 180  
 gtaggaggca cagatacatc ggccttaacc gtggaatggg caatgtcaaa tttattgaat 240  
 catccacaaa tactagagac cagcagacaa aacattgata ctcaaattga aacatcaagt 300  
 agtcgtcggt tggtgaaaga agaagatttg gtaaacatga actacttgaa aaatgttggtg 360  
 tcggagacac taagacttta acccggtggca ccactttatg gttcctcatg tgccatctcc 420



gactgtgtaa tccgtggatt caacgttcca cgtgatacga tngtg 465

<210> 17462  
<211> 488  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-022-Q1-E1-C6  
  
<400> 17462

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cagaaggggg gagacatacc aaaanaaagc ctaaaaagcc gacctttttt ctttctttct 120  
ctcctctacc tctcagcttc tgctggatct ctccagcaga cacgatcttg ttcggagaga 180  
ttcgtagggg aacgatctat caaggcttca aggggcaaac agaaatggan cagacaaga 240  
caggatgcc aagccacct gaaagtccca agctatgtac taacaactgc ggtttctttg 300  
gaagcgctgc cacaattgaa acatgtgttc caangttgtc acaaggata tgttgttcaa 360  
cangancagg gcgctnagtt tgcactgca ntgtctggaa natcgtcaac ccagcaanat 420  
cataaaggaa ancttttacc gctncatngg tccaatattg aaaaccanat ccgtnaccc 480  
gatgctgt 488

<210> 17463  
<211> 429  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-022-Q1-E1-D10  
  
<400> 17463

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gagccttgtc acatgtgaga aggaacttct ctctccaatg tttggagggc ttgatgatat 120  
tggggcagag tttcccagag cttaagagag acacaacaaa agcttcttat tagatcaata 180  
aacctaaaat ccaattacga gacgagagat tcctcttggt taccttcaaa gtcacccaag 240  
gaaaatgggg gaaagtcac actagaagac gactgcccaa aactggccat caatggtaca 300  
agctctgcag ctgcagctac ttcagctttg atttaatttt tcgattctga aatatgaaca 360

tcatatgatac ttaagtcctg attttcccta aacaaagggga attcatagga gaattagacc 420  
 caaagcaaaa 429

<210> 17464  
 <211> 428  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-021-Q1-E1-C4  
 <400> 17464

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 ttctgctctt gtttatctta tctcaagttg gagtcgcccc ggccaaacgt ctccaacaaa 120  
 ggaacaaatt gcgtttggat tgcgttcttc ttctctctcc cctccacct ctccgtggca 180  
 tcgtcaaacc tctatcgtc tcgtttcact ctgcatcgcc taaagataaa ggcccataag 240  
 ccataagtca tcatagtgcg ggataagagg tcaagagagt tttataagta ttttgttata 300  
 caaaaccatg ttgtatcata ttttttattt atagttaagg ttttttttct gtgtctacaa 360  
 cacatgtaca cacacaatca gacgtatatc tagaataaaa taaaaaagct atatcaaaaa 420  
 aaaaaaaaaa 428

<210> 17465  
 <211> 409  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-021-Q1-E1-C5  
 <400> 17465

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 caagaggacc atattcataa gaaaactgat tagggaagta gctggaatgg ctcttatga 180  
 gaagagaatc actgagcttc tcaaggttgg gaaagacaag cgtgctctta aggttgctaa 240  
 gaggaagttg ggtactcaca agagagctaa gaggaagaga gaggagatgt ctagtgttct 300  
 ccgcaagatg aggtctcctg gtggtgctgc tgctgctgag aanaagatgt agacatctta 360  
 ataagctctg tgttatggca tatttccttc tattggaaat caagttttg 409

<210> 17466  
 <211> 426  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-021-Q1-E1-C9

<400> 17466

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agattcgccg ccgatctaga gccgttgatt ttcttaatcg gaaaaagaaa atgagtggaa  120
gcagaaggaa ggcgacgccg gcgagtagga cgcgagtagg gaattacgag atgggacgaa  180
ctctcggaga aggaagcttc actaagggtga aatacgccaa gaacaccgtc accggagatc  240
aagccgctat caaaatcctc gaccgagaaa aggtcttccg tcacaaaatg gtcgaacagc  300
ttaaagaga aatatctaca atgaaactga ttaaaccatcc aaatgtggtt gaaatcattg  360
aggttatggc gagcaaaacg aagatctata tcgttcttga gcttgtcaat ggangtgaac  420
tccttg                                           426
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<210> 17467  
 <211> 405  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-D10

<400> 17467

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gtacggctgc gagaagacga cagaaggggt tacggataaa ataatctcga cggaaggaca  120
aagagttggt attaaaaaag ctttggtggt ttacaccgga aaagctccta aagggtactaa  180
aaccaattgg atcatgcatg agtatcgtct cattgaacct tctcgtagaa acggaagcac  240
taagttggat gattgggttc tatgtcgaat atacaagaag caatcaagtg cacaaaaaca  300
agtttacgat aatggaatcg cgaatgctag agaattcagc aacaacggta cttcgtccac  360
gacgtcgtct tcttctcact ttgaagactt ccttgatcgt ttcaa                       405
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<210> 17468

<211> 412  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-021-Q1-E1-B8

<400> 17468

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gagacccatt tctgtgttct caaccagaa aatgccttac tacgaatttg aatatgtcaa 180
gaacganaca agggcattct atacaaatga acagaagaca tcttcttatg aaagaaagga 240
agagTTTTtc gataaattat tccgataagt tcagagatga ttctatgagt agcgaggaga 300
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cacagaactc tgctgtctcc aacacactac aggatgatan ggcaaagtct tt 412
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<210> 17469  
 <211> 396  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-E5

<400> 17469

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atctctgccg cgaggcggtc ccaagtttca caacctaaag ctaagaaagt caagccggcg 120
aataagcggc caacgatgtc gacaagcggg ttctccggcg gaacgacaaa ggagttgact 180
tggaagtgcg tagaaggttg tggagcttgc tgtaagattg caaaggactt ttcttttgca 240
acacctgacg aaatcttcga caaccctgat gatgttgagc tgtatcgaag catgatcgga 300
gatgatggat ggtgtctaaa ctacgacaaa gctacacgca aatgctctat ttatgctgat 360
cgtccatatt tttgtcgggt tgagccagag gtttca 396
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<210> 17470  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-F5

<400> 17470

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tctacttggg attcttgcca tcgttacggc ggaagttgta aggtttttgt atcttctgaa 120  
gcgattgaat cggaaaagag atcgtcagga atcgaattcg agttctgatc caaacttcaa 180  
gagttttgat cctcgccaat ccattgattt tagtctcaac aaacagggag tgatctggat 240  
attggaatta gatgaaaatg taaaagattg gatgaaggag aaattaccaa aagagcaaaa 300  
gaaaatgggg gcagcaaagg cgaggatgtt cgattttagg aagaaagtgg gagagaagtt 360  
tgaagagaag aaacgtcacg ttgaggaaaa aagtagacag attgttgaaa agatgagagg 420  
acct 424

<210> 17471

<211> 478

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-021-Q1-E1-G12

<400> 17471

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ctgcgagaag acgacagaag gggaagagag ggagattagg gttttttggg tttaggagga 120  
ggagagcatt gaaagggaaa acagagtttg gtagaggtag ttatgtgttc ccatcttctg 180  
tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnggt 240  
ttggttatga tgatactgat ggtattagtt gcagccaaag cagcaggttt tgtgatgtga 300  
agatctcaag cattagtaga acaggcagct tctctactct gcctgcacca ccttcttctt 360  
cttcaaagtc tcacttttgg acgaatgtgt atgcaggact aaagcaagtg gttccatgga 420  
agagcaagaa gactacagtt tgagattctg ccatatcaaa gattcnaaag attaaaca 478

<210> 17472

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-021-Q1-E1-G2

<400> 17472

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taaatacggtt aaaaaattca ttcccttctt ggattgctct gttttcttcg gcgggttcttg 180  
cagctccatt gattctctgt ttctctgct acagttaact tatacttgca gattctcgcg 240  
ttgatagtaa aaagatggtg aagcttttgg agctgttcat aacttcatca aaaccagtcg 300  
ttgagattct gttgataaca tcagtcggat tttatatggc tctcgatgga gtcaatctct 360  
tggtcatgat gctcgtaa atctgaacaa cnttgcntc caagtgttta gtccttcgct 420  
tantggaa 428

<210> 17473

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-021-Q1-E1-G4

<400> 17473

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gcaaaattcc gatgacatca tgagatttct cgatggaatg gctagctccg acgacgttct 120  
tttcggtttt cttgacgaag gaaaccagtc accggaagat ttctccgtaa acctcaacgc 180  
cggcgaagat gacggtgacg aagacgacaa taataacaat tctgaagata acaaagcttt 240  
ttggcaggaa cacgaacaac ttcttcaggg gacactgtat aggacaagtt ccattgaaga 300  
caaagattag acaagctaca aaagaagcgt tggaacaagt taaatctaag ggtccttatt 360  
gtgtttgccg gcgaacagtg gacggcggtt gccggagttg cttacgtggc gaaatctcta 420  
agacncctaa gag 433

<210> 17474

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-G5

<400> 17474

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tgaggaaatc aggaagaaca gagaaagcgt cagggtttat ggagaagatg atgaatgcag 120  
gaattcttcc cgatagcgtg acatttaact tgcttcttcg ggatctctgc agttctgac 180  
attctactga tgcaaacaga ttgagacttt tggcatcaag caaaggatat gaacccgatg 240  
agacaacgta ccatgttttg gtttcggggt tcacgaaaga agggagaaga aaggaaggag 300  
aagttctagt gaacgagatg ttggataaag atatgttgcc tgatatcttt acatataata 360  
gattgatgga tggcttggtc tgcactggaa aattctcaag gaaacaagtc cggatgttgt 420  
aacc 424

<210> 17475

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-G7

<400> 17475

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gaacggagaa gaaaacccta gatatggcgg agaagcttgc gccagagaag agacacgatt 120  
tcattcacia tgggtcaaaag gtatttgagt gggatcaaac cctggaagaa gtgaacatgt 180  
acataacttt gccgccaaat gttcatccaa agtcattcca ctgcaaaatc cagtcgaaac 240  
atatcgaagt tggcatcaaa ggcaaccctc cctatctcaa tcacgatctt agtgctcctg 300  
tgaagactga ttgctcgttc tggactctag aggatgatat aatgcacatt accctgcaga 360  
agagggagaa agggcaaaca tgggcatcac cgattctggg acagggtcag ttagatcctt 420  
acgcc 425

<210> 17476

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-021-Q1-E1-G8

<400> 17476

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gatcaggatc aggggtcaagt agaagaagca tcaatggaga atcaaagaaa ctctattgag 120  
gttggaagag ttggaaacgt agaagatgat gccaaagtcac catcatcatc aagctnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnaagggt tttgtgaggg tctagtgagg aacatgatag ctcaacaaga ggagatgcat 300  
aagaaactcc tggaagatat ggtgaagaag gaagaagaga agatagcgag agaggaagct 360  
tggaagaagc aagagattga gagagttaac aaaagaggta gagattagag cacaagaaca 420  
agccatggct a 431

<210> 17477  
<211> 515  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-021-Q1-E1-H1  
<400> 17477

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gcgagagacg acagaagggg gcacaaaaga tgtgttagta gaagaagatn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncc gagagccgta aaagcgttgg 360  
tcgagaaccg attctaaatg agaatgtgac ttatgagaat ctacttggga gcaacaagcn 420  
aattccgaag ggcctaaaac ccttgatgaa atgggtgcaat ttctgttga aatttgggaa 480  
agaanaaagt cataccggct aaaaagattc ntttt 515

<210> 17478  
<211> 399  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<400> 17478

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aaatagcttt aaaccaatca agtagagttt cttctnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc tctaaatcct tccaaaatct 240

tggtatctca tctaacggtt cagatttctc ctatccatca aatttcactg ccaagaagaa 300

cctcactgct tctcgagctc tctcccaaaa cggaatatc gaaaacccta gaccaagcaa 360

agttcaagaa ctgagtgtgt acgaaatcaa cgaattaag 399

<210> 17479

<211> 115

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-021-Q1-E1-H11

<400> 17479

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cggcc 115

<210> 17480

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-020-Q1-E1-G9

<400> 17480

aaagtcttga atatttcac tatatatacc taagaaagaa aagagttaaa gaagtatatt 60

ttcgattcaa agaagaaaaa tgaattctca ccagaatcaa accggagtgc aaaagaaggg 120

aataacggag aaaatcatgg agaagctacc aggtcatcat ggacctacta aactggtgt 180

tggtcaccac gagaagaaag ggatgacgga gaaagttatg gagcagctgc caggtcatca 240

tggtgctact ggtaccggtg gtgttcacca cgagaaagan aggaatgacg ganaaantta 300

tgagcagct gccaggctcat catggatcac accanactgg gaaccaacac anctatggta 360

ctactancac tgggtggtggt caccacgaga aanaaagtng tgccgaaaaa gttatggaa 419

<210> 17481  
<211> 477  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-020-Q1-E1-H1  
  
<400> 17481

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caaaagggta cggntgcgag aagacgacag aagggtacng ctgcgagaag acgacagaac 120  
ggggaaattt gagtaccaag agagctcttt ttcattcctaa agagatcttc aaatttagat 180  
ttcaacacat aaaagttggt gacattnaan aatgaaggaa aggaantgtg cagaagctaa 240  
ggtttaagag accccactcc tcccatttcg agtttttggg tatcnttgaa catttgggag 300  
tgtgtgtttt tgggggtaat aggatacaaa acttaaaagc tgtttgtttt gtttgactg 360  
ttttgttctt gggtttgtct cgtactaatc aagtaaaaca aatgtctcgt actctangac 420  
tctctctttc taaattggga ttagatgaaa ttacaccata tattttggnt gaaaaac 477

<210> 17482  
<211> 461  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-020-Q1-E1-H1  
  
<400> 17482

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gtgggtaagt gtgattttct tccttatggt atcaattttc aaagcggagt tgccacgggg 120  
agattctgcg atggacgagt ccctgccgat ttgctagccg aagaactggg aataaaatca 180  
attgtaccag catacctaga tccgaatcta aaatcgaaag atcttttaac cgggtgtatcg 240  
tttgcgccg gaggttcttg ttatgatcct ataacaccga aacttggtggc agtaatatca 300  
ttagaagatc aattgagtta ttctgaggag tacatagaga aagtgaagaa tatagttggg 360  
gaagcaagaa naagacttca taagtagcca ncagcttaat cctaattgggt cncaagcaag 420

cgacgacnta ncaatacata ctatactcta cgtgcaaaga c

461

<210> 17483

<211> 509

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-020-Q1-E1-G6

<400> 17483

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acgtccgtac ggctgcgaga agacgacaga aggggggggt cgcagtgacc agggccgggc 120

gactgtttac caaaaacaca ggtctccgca aagtcgtaag accatgtatg ggggctgacg 180

cctgcccagt gccggaaggt taaggaagtt ggtgacctga tgacagggga gccggcgacc 240

gaagccccgg tgaacggcgg ccgtaacaat aacggctcta aggtagcgaa attccttgctc 300

gggtaagttc cgaccgcac gaaaggcgta acgatctggg cactgtctcg gagagaggct 360

cggtgaaata gacaagcctg atctatcacg ttggtcactc aaatacaatg cttttggtca 420

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ttgggagatc tcttgaaggt cttcctaate 509

<210> 17484

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-020-Q1-E1-H4

<400> 17484

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cctcaggcaa ttccagtgtt acaaaaccag gtaccgaatg tgctgaggtg ttatggaact 120

atcaaatgcc ttgatatatg gagacagatt atgctgcggt tctgctgaag tagctgatgc 180

cacacttggt ctttctacct ccagttctac ttcgccatgg cttaaaaagg ttctggagcc 240

aacaagaaca gttgtatttg ttaatacaga tatgctgcgt gcttttgaag ctanggatca 300

gaatgcgac aacaatccag ttgaagcttc cataatagct gagattgtag aggagctagt 360

tnncaatgga agtgggctaa gtaaagatat tgggntcatt actccttana actcacaaag 420  
ccaaccctca ntc 433

<210> 17485  
<211> 424  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-020-Q1-E1-H5  
  
<400> 17485

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tagtggttaag ccatgggttaa gactcgattc caagcttcca tgccttttag acacattgtg 120  
ggcaccttat gatttgtata aacactccca ttgatgccaa tttccagttc gacatattca 180  
tggtcatggg gactaaaccg aagatagcag agttgcaatg gtgggttttca actggaaaca 240  
actatgttga agattgagta aaccctgccg gnacagagtg ctatagtagt attgcttcgg 300  
acagttcgac cagaccgtta gacacaattt agaagagtgg acttccgttt taagtgttgt 360  
nccggcggtt aaatatgttc ctgtggggaa gaaanaaaat aanattata gttaagggtca 420  
ttcc 424

<210> 17486  
<211> 455  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-020-Q1-E1-H7  
  
<400> 17486

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atacggctgc gagaagacga cagaagggga ccgaggaaga tgatgaagtg gtcgatcggt 120  
aagagaatcc ccgtctatgg aggttccttc atttctatga aacatatgat gttagttcca 180  
gctgatttga gctggagctg ctcgttctct ggtatgcact ctttgataaa cactggagaa 240  
gaagacgagg aagaactctt gaagaagatc gttaaccata gtgaaagtgg ttcaaagatc 300  
atcagcaaaa tcgattatac gaatcttggt gagaagttta caagagatgg aaatctctct 360

ggagcatatg acttggtaca gtctttacaa gaaaagaaca tatgtttgcc tatttcggtt 420  
 ttcaagaacc ttcttcgagc ggcgggtgag ctgaa 455

<210> 17487  
 <211> 491  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-021-Q1-E1-A1

<400> 17487

gcacagagtc cgggaactcg cgggtcgacn cangcntccg tacgtgntgc ganaaaacga 60  
 cgatgcagag tttaacgtca aacgaagttg cgggtttggc agttggggct ctgcttcttg 120  
 gtgccaccat cgctgctcct aaagttgatg cttttatcgc tgcttctcag agaagatctc 180  
 ttggcatgtg tcgaaaatgt ggagatctta agaatgtagc ttgtggccgt tgcaaaggaa 240  
 caggaacaat caaatcagga ggattctttg gtttcagtga ctcatcaaac acaagatcag 300  
 tggcttgcca taattgccaa gccaaagggt gtttcccttg ccctgaatgc tcaaaatctt 360  
 gaccattttc tcggtatttt atagttgttt catcttcttg aactatgat aagtgtaatc 420  
 ggtccattgg taatgggtaa tgttaaagtt gaagaatgtc ctgtttaatc gagaaatctc 480  
 ttaatccaan t 491

<210> 17488  
 <211> 178  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-021-Q1-E1-A10

<400> 17488

ggcgagaaga cgacagaagg cggagaagaa agggaagaag gattgtatca ttatgtgaag 60  
 gggataattg acggatatat ctgttcagta actagggatt gaatttggtt ggatacccg 120  
 tttccgaatg tatctcttgg gccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcggcc 178

<210> 17489  
 <211> 238

<212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-A12

<400> 17489

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggg acggctgcga 60  
 gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac 120  
 gacaaaaggg tacggctgcg agaagacgac agaaggggtac agctgcgaga agacgacaga 180  
 aggggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaaggg 238

<210> 17490  
 <211> 296  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-021-Q1-E1-A2

<400> 17490

aggagtcgag agagaaatta gccatggcga ccagagcttt gctcgccgtt atatatgcgt 60  
 ctccgaatcg ctgctacatc tctccgagca ggatcaaaat ccaatcttta acttgttctt 120  
 cttcaagtca ttattaccaa agacagagta gaaaaaacca cagaatagct cgaagttact 180  
 cgtctgactc ggattcctcc gttcttcagc cgccggatgt ggcccgtctt gctcagacag 240  
 ctccaatctc cctaaccgga cggagataga ngaatgtnaa actaaaattc tcgagt 296

<210> 17491  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-021-Q1-E1-A6

<400> 17491

ggggaaaaga tcaatttctc tctcttctct ctcttcaatt attcagagag aggaacacga 60  
 tctttgtttc tccatccggt ttgtttacta agttttgtct ctggtatggt tcagctttgt 120  
 ctccggcgag gtccggcttt gtttcggcta tctgttgccg ctttttgttt tttctgttga 180  
 ataaattatg cgatctatgt tagtggtgtg gttttagggtg attcgtcttt gcctaaacac 240

aattctctcc aacataagat tgatgaatat gatgcttgag ttcgtgaacc gttgacgttt 300  
aattgggaag attttgaagt tgaaattcca tgaagttgaa aaattgtttt aaaagctttg 360  
gaattgacaa ttgccaacaa ccggattcaa aatgcatgtc cccggcnttc tgggttcaat 420  
ggaa 424

<210> 17492  
<211> 413  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-021-Q1-E1-B10  
<400> 17492

gcgtccggcg agaagacgac agaaggggac agaggaagag aaaacaaacc ttttaactgaa 60  
gaaagagttt gagtatggca gcgtcgacca taggttagagg ttcacgcggag gataagccgg 120  
ggaaaagaac atctccggtg actggcaagc ccacaagatt ccccaactga atcatcgata 180  
ccgccggtat agcaacgtat gtaatcccgg cgatgtcatg gatctttata ctcccgttgc 240  
aatttgcggt gttacatgaa ctccaagaat cggtaaataa aggagtcgat atcattaccg 300  
aagcttgcaa ctactcgtc tcgaatcgac aatcgtccat gattggatat cgagtagaga 360  
gttgcagaac gatgatgttt atgaagttgt aaatatatta caagcnaaaa gaa 413

<210> 17493  
<211> 430  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-021-Q1-E1-B11  
<400> 17493

gcntccgtac ggctgcggaa gacgacagaa ggggtaccgg taactggttt atggatgagt 60  
gctcttgag tagtcggtt agctttgaac ctacgtgcct atgattcttg gggacgcgat 120  
gataccgtgt atcttactgg cactgggggg aaatctcatt aacggaccag gaagttcaaa 180  
acttggtttc aagacaacag cagctattat aattggacgg ttggtgttag tgccaccagt 240  
aggactagga atcgtgacag tagcagacaa acttgggttc cttcctgctg atgataagat 300

gttccgattt gtgttgctcc ttcagcacac aatgcctaca tcagtgtctt caggagctgt 360  
 tgccagcctt agaagctgtg gaanggaatc agctgtgtgt ctcttccggg tccacatttt 420  
 cccancctc 430

<210> 17494  
 <211> 395  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-021-Q1-E1-B12  
 <400> 17494

gtggactgag gctattgcaa ctacattggc agttccgagc aatcggaggt ttatgtttga 60  
 tgtaacagga agagtaacac tagaaacgac gagatcaatc atcgcattha taatggtgaa 120  
 gacatttcaa gggttcagaa aaagtatcaa tgtggttcat gaagaggta cagacagagg 180  
 acgccaagca gttgaatatg ttggagccaa atcttctgtt ataactactg tatgccttgc 240  
 gttgtacttg cacatcataa gcggctgtgt tcggaattct cccataggcg taagccagca 300  
 tttttagtgc ttcagatgaa gaagagatca tcgatttggg tggatatagg ataatatgtg 360  
 ttaggtacac aagatttatc agctcctttg tttat 395

<210> 17495  
 <211> 423  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-021-Q1-E1-B7  
 <400> 17495

gtagagattg ataaaaaaaa aatgagtagc tccgattctc ctacagttca caatatcttc 60  
 gtctatggta gctttcaaga gcctgacatc atccatgtca tgcttaatcg tattcctgag 120  
 attgtctctg caacacttcc tggctttaag agatttaggc ttaaaggacg tttgtatcca 180  
 tgtattatcc cctctgagaa tggagaagtt catggaaagg tactaatggg attgactaat 240  
 gatgaacttg agaatgtaga ttgggttgaa ggaaacgaat atgaaagagt gtttgttgaa 300  
 gttgtaagaa aagacaattc tgagaagatg agagtggaaa catatccatg gatcaacaag 360



aatgatcctg atattggtgg agaatgggat ttcgaggaat ggaaacgatt acacatgaag 420  
acn 423

<210> 17496  
<211> 507  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-F4

<400> 17496

actggttttc tggcccccg tccggaaann cgggtcgncc cncgcntncg ccgaaaaaaa 60  
cgacagaagg gagccggaga tggattcgcc aaactgggaa ctccgtggtn tgttgtnacc 120  
ggaatcaaaa tacttttctc atcaccatcg gagtcttcac catagttatc cttctgctat 180  
ggaggacatt tctattgact ccatttaaac tcattacggg gtttttgac gaagctagtc 240  
atgccgttgc ttgcaagctt acatgtggag atgtaaggag ctttctcact tcaactacta 300  
gtcttcaa at gaacttaaaa gggtagagg gatggaggat aatgcaa atg aaggggggtc 360  
gaccacaaca cgtggtggca tttattggtt gatcttacct gctggctatc ttggctcatc 420  
attttgggga atggcattga ttcttgcac taccaatctg cttacagcaa gaatagctgc 480  
tgctggtcct ggtcctgctt aatcanc 507

<210> 17497  
<211> 492  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-G10

<400> 17497

accgganatc tttggtcgac ccggnctcc gtacagctga aagaaacgac agaagggggt 60  
ggagaaacac tttagcacgg tgcgacaaga tggcgagctc agtgacgctg cttctatgga 120  
gtcttcttct tctcgttaca ctaagcgcta ttcaggccaa aaagtctaag gaaaacttaa 180  
aggagatcac acacaagggt tattttgatg ttgaaattga tgggaaagca gctggtcgta 240  
ttgtcatggg tctatttggc aagacagtcc ccaaaactgt agagaatttc cgagctttat 300

gcactgggga gaaaggaata ngtaagaatg ggaangcgct ccattacaag gggagttcat 360  
 ttcataggat nataccaagc tttatgctcc aangaggcat tttacacatg gaaatggaat 420  
 gggaaggaga atctatctat ggggagaatt ttgctgatga naacttnaaa ctcaaagcat 480  
 actggtcaaa gg 492

<210> 17498  
 <211> 435  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-018-Q1-E1-G11  
 <400> 17498

agaagggaag agacatcgga aagtactcag agacaacatc caagggatta ccaaacctgc 60  
 gattcgtcgt ctgcgagaa gaggaggcgt gaagcgtatc agtggtttga tctatgaaga 120  
 gactcgcggc gttctcaaga tctttctcga gaacgtgatt cgtgacgccg ttacttacac 180  
 ggagcacgct cgccggaaaa ctgttacggc gatggacgtc gtttacgctc tcaagagaca 240  
 aggacgaact ttgtatggat tcggcggcta aatcgttcgg attgcaattt cggattttgt 300  
 aaactcctca atttcaacat ctaaggattt caaatttgta atttcncaat taaacgatga 360  
 atgaattnaa aaaaaaaga attgtcctca actttaaatt ttaancnnat acaagttatc 420  
 naaacgtggt ttacc 435

<210> 17499  
 <211> 504  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-018-Q1-E1-F12  
 <400> 17499

attgtcngcc agccgtccgg aatcanggtc gaccnnncg tccgtacggc tgaaagaaga 60  
 cgacagaagg gggaagaaca gagttagttt tcaaggttta tccacagatc cactgaaatc 120  
 aacaatggtg aataaagctc cgaagaggaa acatgtatca cctgaatctc tccttctctc 180  
 tattctcaat gatttgttgt ttctaaattc tcaaaagctt gactcttggt tccgtagaaa 240

atcgaattca gatgctgtga gctttatagt tagcttaaataa tttgcaaaag ttggaaattt 300  
tacttcaaga tccaatgaaa ttgctccact gatcaatgaa gctgttgcta aaggcaagaa 360  
ctttgatact gggacaagag ttggattaaa tgttgggcat cctcctaaat ccgcattaac 420  
tggaggaatc tcaagtgtt tcnccgcctt tttgangcat ccantggggt actgtcaana 480  
cacaagttt aagcatcaac taca 504

<210> 17500  
<211> 498  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-G12

<400> 17500  
ttgtctgccg ggtntaccgg nntngnnntn cgacccggcc tccgccaan cgtaagtacg 60  
gctgcgagga atacgacaga aggttacggc tgcgagaaca cgacagaagg gtacggctgc 120  
gagaagacga cagaagggtta cggctgagag aagacgacag aagggtacgg ctgagagaag 180  
acgacagaag ggtacngctg cgagaagacg acagaagggt acggctgaga gaagacgaca 240  
gaagggtacg gctgagagaa gacgacagaa gggtagggct gcgagaagac gacagaaggg 300  
tacggctgag acaagacgac agaaaggga ggttttgcaa aaccaacacc gaagattcaa 360  
cacgatggga cgaagacctg cnagatttac cgtcagntta aaggaaancc ataccnaaa 420  
tcacgatact gtcctggtgt nccaaattcc aaaatcaggt ctaccatttt gtatgaacag 480  
gaaaagtgtt nataattt 498

<210> 17501  
<211> 438  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-G4

<400> 17501  
gaaagacgac agaaggggga tgtgggcaaa ggctacactt tgtgtttgca cttgattatc 60  
ttttcaagac aacanaaaag aagtcagcga cgatatccgt agacgatttt tacttgactg 120

cagaaggcca ggctgaattg agaaaaaaga atccaggaaa tgcacttcta gagtatcgtg 180  
gaaatgcagg aagtcatgat ctgaaacttt ctggttgaaac actagaagcc ctgtcgaaac 240  
tgaccaaaga aggcttaaag atgaaggtac ctaggtacaa taagtctgcc tatagtggga 300  
gaggtgacag ggccgattca tcaacatggc ctgaagttga aggacctcta tcggttattc 360  
tctttgaggg atggatgctt ggttttaagc ctcttcacgc tgacgttggt aaagcagttg 420  
acccacaact gggagggt 438

<210> 17502  
<211> 422  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-018-Q1-E1-G7  
<400> 17502

ttgctgccat tgttggtggg atacttgaaa aacggagagg cttcgggtgc tgttttgtcc 60  
gacatgcaac tgagtatatc gcgaggcttc agtattgtta tgttgatcag ctacattgca 120  
tatcttgttt tccaactgtg gactcacgc caattgttcg atgcacaaga acaggaagat 180  
gagtatgatg acgatgtgga gcaagaaacc gcggtgatta gtttttggag cggttttgca 240  
tggttggttg ggatgacact cgttatcgca ttgctatcgg agtatgttgt agccacgatt 300  
gaggaagcat cggataaatg gaacttatca gtgaagtttc ataagcatca tattgcttcc 360  
tattgttggg aaatgcagct gaacatgctg gagccgttat ttttgccttt aagaacaagc 420  
tt 422

<210> 17503  
<211> 428  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-G9  
<400> 17503

atggcgaaga agaaggaact gttatcaaaa gcaccgtgga gaggcgacga cgaagatgat 60  
tccgataagt ttagcaacgc aaagcttaaa gtcacaaagg attctgatgg tatgtcgaag 120

atgcacgtcc ctagccgcgg aatcaaaaag gaagtctcgc tgatgatgat gatgattcac 180  
 ttgagattga tcctcagctt cgttacagct tcaatcgcaa ctatcagttc ctgcaaagtg 240  
 tattcactat agacactttg gtgaagcctc ttctctcttc aatggcattc aatgtctctc 300  
 gcaacttgag cttcttcaac cgcattttca ctcaattcct tgattctgaa agnattgcaa 360  
 atgcacaaaa atcnccaagg gtnggggaag gaaaaaaaac tccccctgt ttccttgaaa 420  
 tatgaacc 428

<210> 17504  
 <211> 395  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-018-Q1-E1-H11

<400> 17504  
 ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggg acggctgcga 60  
 naagacgaca gaagggtagc gctgcgagaa gacgacagaa gggtagcggt gcgagaagac 120  
 gacagaaggg tacggctgcn agaagacgac agaagggtag ggctgcgaga agacgacaga 180  
 agggtagcggc tgcganaaga cgacagaang gtacggctgc gaaaagacga cagaangggg 240  
 tccttctttt gtctgaacca ccggaagaac tcnaccatt gattaaaaga ttacaactcc 300  
 acaagttaag accggttttg ttccttgggt ttaacaaagg acatttttta ncaaactta 360  
 aattaactcc tctctctct ctcccaaang gaaaa 395

<210> 17505  
 <211> 428  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-018-Q1-E1-H8

<400> 17505  
 aagacgacag aaggggatca catctcaca cacaaaaata aatcatcaca agaccagagt 60  
 taaaagagag acatgtcgac ttcattcaca atgatcggcg gtgaagggtc caacagttac 120  
 cgggaacatt cgaaatacca gggagcactg gttatagctg caaaggaaaa gatnaatgaa 180

gccatctcca cgaaactcga tatcgacttt acttcaaatac ttgttaacat agctgatttt 240  
 ggttggttct ctggaccgaa cactttcacc gcggtacaaa ccttaattga tgctgtggaa 300  
 aacangtata agaaagaaag taatattgag ggaatccaan ttcaagnttt cctcaatgat 360  
 tctcaaacaa cgaatttaac aatccccctca aganacttcc cccgggtaaa acggtattcc 420  
 caatggag 428

<210> 17506  
 <211> 527  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-018-Q1-E1-H9  
 <400> 17506

gaatggtttg cttggcctgc cgtccggnat caagggtcga cccaccgctc cgtacagctg 60  
 aaaagaagac gacagaaggg gggggctcga gtgaccaggc cggggcgact gtttaccaaa 120  
 aacacaggtc tccgcaaagt cgtaagacca tgtatggggg ctgacgcctg cccagtgccg 180  
 gaaggttaag gaagttggtg acctgatgac aggggagccg gcgaccgaat tgctgaagtt 240  
 gtaaaggaaa cactgaggaa aatggagata gtgggtgagg aaaagacgag gatgtacaag 300  
 aaagcgcgaa tggggcttga ggaatgcgag agagaagtan aagagaaagc aaaagcaagt 360  
 ggcggaact gcaaatngnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaaan atgtttcaan tttaaaagca 480  
 aacnaaggca aaaanttga accacaagaa aatttgga nggattt 527

<210> 17507  
 <211> 407  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-A2  
 <400> 17507

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 ctcacatctt aaagatctct ctcatggcga cgtctttctc aggagctgtt ctactggta 120

tggctttcttc tttccacagc ggagccaagc agagtagctt cggcgctgtc agagtcggcc 180  
 agaaaactca gttcgtcgtc gtttctcaac gcaagaagtc gttgatctac gccgctaaag 240  
 gtgacggcaa catcctcgat gacctcaacg aggccacaaa gaaagcttca gatttcgtga 300  
 cggataaaac aaaagaggca ttancagatg gtgagaaagc gaaaagacta cgttggtgaa 360  
 aaaacagtga aacgcantac attgggtaaa gaactgaaaa antgcgg 407

<210> 17508  
 <211> 477  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-A3  
  
 <400> 17508

cccangcgt caaataaagc tgcgannggt actgctgcga gaagacgaca gaagggggat 60  
 aacgaaaagc tcgccgagaa aagcacaaaa tgggcggggc gttaaatctc ctgcaaccct 120  
 angactcata tcttcnnttt ctcggaaca attctattag atnaacgcaa ccacttattc 180  
 atctctttcg cttcgattta ngaagaagac atgtttcgat gcaattatca agaacctttt 240  
 ctggattaac cgatctcctg tttaatagaa gaaatgaaga tgaagttatt gatggcaaga 300  
 gaaaacgtct gagaccggga aatgtatctc ctgcgtcgtc tggtccgggt catataacaa 360  
 aacctcctta tggtgattcc cttcaaagc tccccgggaa tctcaaagtt ggacnttgaa 420  
 gttcatggat nagaaanggt nttanaatgc attganaacc ttctgggaat aactttc 477

<210> 17509  
 <211> 490  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-A6  
  
 <400> 17509

ncggtattct gcattcccgg gcngccccac gcgtccanca aangcgtccg tacggctgcg 60  
 agaagacgac agaagggtt agtttttctt ccgccatccg gtgaatccgg caaagccatc 120  
 tgggttgtaa accagcttca gtccaacagc ctccggctat tatanaggag gttgggtggc 180

ttttcaactgg cgggtgttggc tccctcagca acgtcggcca gttttctctc cggcaacnat 240  
ggctccgtan caccgtttgg ctggctcctc ttgtntgcgg catgttttcg gctttctatg 300  
cgatggtgtc cgcttttctc tctggtcatt ccaccgtcat ctttcgggtg gttttggcca 360  
gttatgtacc ggtgttagat ccggtttatt tgtttctggt ttacttttaa taattctcat 420  
tganatgtgt tggggataan aatgattnca ntctcgattt cattgcttct aaccaatcca 480  
atcccntttt 490

<210> 17510  
<211> 431  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-B9

<400> 17510  
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tctacgattt gtgtgtttcc tcaaacccaa atgtctcgtc tcccgatttt aatcgcttcg 120  
tgtctcttcc tctcttcaact caccgccgcc gtgcgcaccg ccgccgaatc cgatactccg 180  
acggcttatt cactcctcca aagctacaac ttccccgctg gaatccttcc aaaaggagtc 240  
gtagcttatg atttagacac aacaacaggn aaattccatg cgtatttcaa cgattcatgt 300  
ancttcaatc ctgttggnct ctaacaattg aattncaaat caacaatcaa tgggtacatc 360  
tcccgangaa acaaagctca anaaaattna ctgggggttta aatccaaagt tttggctcctg 420  
gggggttaaa a 431

<210> 17511  
<211> 424  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-C1

<400> 17511  
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ggtgaacaag aggaagctga tgggattagg gaatcttcag gagacaaaag atactgtgga 120



gagcgtaaaa cggttaaaca gaacaactaa tggagttctt gatctgaacc ttccggctca 180  
agagaccgaa atcgaggaaa aatatcattg tgaagagaac tcaaacgttt ggттаатgaa 240  
cttgaagaat cataaacgtc tcattgaggt tcctttcaag ccttttgatt ttgaaggact 300  
agctgaaaaa atcaaaaaga gcgttaaaga aaatttcgac aagtgcgtga gatcggattg 360  
cttgctggag gttgacccta agatnataga acgattgcta ncggctgttt aattcncaaa 420  
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<210> 17512  
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<212> DNA  
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<223> unsure at all n locations  
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<400> 17512  
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ggtcacagtg cggcgccgtt tagtccacgg agagattttc atcagcaccg tacgacttcg 180  
acggcgaaca gaggaatctt cttctccagt ccgttggttc ctacggntgc tagagttagg 240  
agaaatacaa aatacgaagc cgtttttgcc gaaccactt cgcttaaagt ctctgcatc 300  
ggtcaggtca aactcgctag acctaaatgt ccggagaaga agaacaaagc acctaagaat 360  
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cgaaactnaa a 431

<210> 17513  
<211> 505  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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agtctgaatg cgatcaagat cgtcccgggg aaatacagtt ctctcaccga tcatcagttt 180  
 cgtgcgccgt atcgaattag gtgcgccgcc gcttcacctg ggaaaaaacg gtataacatc 240  
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 cagaaagctg gatctctcga aggactggag tttgatttca aggagatgcc tgtcggagga 360  
 gcagccttgg atttggttgg agttccattg ccggaggaaa ctttcacggc tgcaaaacta 420  
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 ctgagacctg anatggctct gtta 505

<210> 17514  
 <211> 523  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-018-Q1-E1-C4  
 <400> 17514

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 caaaccgcg tttcggagac aagaaaacgt atcagatgaa ccagcaaac tacagagagg 180  
 cattgattga ggcacgtgaa gacgaggctg aaggagcaga cattctcctg gtgaagccag 240  
 gtcttccata tttggacatc atacggcttt tgagggacaa gtctccatta ccgattgctg 300  
 cataccaagt ttctggagag tactcgatga tcaaagcagg gggagtcctg aaaatgatcg 360  
 atgaagagaa agtgatgatg gagtcaactga tgtgtttacg cagagctgga gcggacatca 420  
 tcctcacgta cttcgtctt caaagctgct acttgtttgt gcggcgaaaa acggtagaat 480  
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<210> 17515  
 <211> 450  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-018-Q1-E1-C8  
 <400> 17515

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tcattattac ttctcgaagc tcaccaagat cttgaatttg ccgacctctc aagattcttg 180  
atggtaaaag catacagaca agagcatggt tacaagcatc cgtgggagcg ggtgagtgt 240  
gcttcatgga ggaagtttgc agaccctgaa aacaaacgca tccttttctca catccttgaa 300  
gtcgatccct tgaacaggaa actcgacact gagaccggga aactccacac cacgcgtgt 360  
ctcaccatcc atgctcctgg gtccatggtt tctccatagg atcattgggt caggacatct 420  
gtcactgtgt tgaatcaaca gttgtagatn 450

<210> 17516  
<211> 496  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-D9  
<400> 17516

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cgtctcagcc tgcaggtggc agtcctccta aaccttggga aaaagaagga aatacatctg 180  
gtcctaatac ttccaggcct ccttctaata ctagcacggc tggttcagtt gaggttcttg 240  
gcacagctaa tcctggtgaa gtagttcctc cgcccgtgaa caggcctaata acagctgcta 300  
atatgaattc actcagtaga cctgtaccgg ctagaccttg ggaacagcag aattatggga 360  
acactatggg gggaagttat ggttcaaata taagtatgaa ctccgggtat gggtaagtn 420  
cataaggttc aacattaagt gggatatgggt caacaaatng tggtgggana ttttgaagtt 480  
tttcctttta naaggg 496

<210> 17517  
<211> 485  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-E10

<400> 17517

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tgctctgncc tgcccgtccg gaaatcatag gtcgacccgn ccgtccgtac ggctgaaaan 60
aagacgacag aaggggaaat cacagaacac caatcggnat aatcacacga gaacaaaact 120
tgттаатсag gagaagacga cagagagaga gaaggagaga gatcttccat ggcggattcg 180
gaagcagata agccactgag aaaaatctca gccgctttca aaaaactagc aatcatcgtg 240
aattcaccga atccggaagt tcctgtaacg caattctctc acgcttgctc tctggcctcg 300
cctctctttg gttgccttgg aatggctttt aagtttgccg aaatggacta tgttgccaag 360
gttgatgata ttgtganggc gtcnagtctg atatccacat taatggtaat gatggncaaa 420
agatattgag gcaaattgtg ttaaggaanc tgggtantcat acgagaaaac ctttnagggg 480
ttaac 485

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<210> 17518  
 <211> 509  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-018-Q1-E1-E12

<400> 17518

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agagcaaaca aacacttaga agaaactaag aatactctca tcaaggcgat atagaaaaaa 180
atggagagca aaggagctg gacagtggct gatgccgtag actacaaagg acggcctgcc 240
gacaaatcca aaaccggtgg ttggatcact gccgctctca ttcttgggat agaagttgtg 300
gagaggctat caacaatggg aatagcagtg aatttggtaa catatttgat ggagacaatg 360
catctcccaa gttcaacctc tgccaacatt gtcgctgatt tcatgggcac ttccttctc 420
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<210> 17519  
 <211> 500  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-E2

<400> 17519

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gtctctaggt cgccgtactt tggaagagat tcgtcaaaag agagcagctc aaaggctaag 180  
caaagcttct tcaggtccag atcttagtga aattcccaat cctgccgatt tcccagtgat 240  
cagaaaatct gagagcggaa atcgactttc tgagacagat gttgggtgctt tatattccca 300  
gcttaaagaa ctgcagaaga agaatgcaga aatggaggag cgcaacaaaa ttttgtcttc 360  
aaagcttcaa acgaaggaag ttgagaatga atcacttgag actcggttga atgtgctgga 420  
acaaaacaca gtgccatctt tgagaaaagc cctcaaggaa attgcaatgg agaaagatgc 480  
tgctgttgtt tacganaagg 500

<210> 17520  
<211> 430  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-E5

<400> 17520

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gctccggcgt gttgctcgac ctttcgtac cgacgcggtg gttgantcgg attacaagcg 180  
tggtgagatc ggtaaggtct ccgnaatccc agangancat ctttctngca aggtgataat 240  
atactcacct gctagaacag ctaccagtc angatctgga aaactcgna natggaagat 300  
taanttcgtc tctancttaa agtgggagaa tccgttgatg ggatggactt ctacgggtga 360  
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tttgctgagc 430

<210> 17521  
<211> 431

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 gctcatcaaa gaagtaatag tgagattccg aaaacgagtc cgggaggatg cgaagacgag 180  
 tgggtgtgcta ggggttttgag tagaagatcg gtaatggcgt cagggtttgt ctctcgcgac 240  
 acggcttttag catttccaag ggaaggattg gctgtcgtta aacaaggtct tctcgcctggg 300  
 agagttcctg gtctgtccga acctgatgaa gaaggttgga gaacataccg tagaccagac 360  
 gagaagtcan gaaggcatgg tgttggttgg agtcctaata acccttacgc cntttcgggt 420  
 cctcaagatt g 431

<210> 17522  
 <211> 505  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-018-Q1-E1-E9  
  
 <400> 17522  
  
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 ctccaacact aaaataattg taccgactct ctctctctct ctctccgtaa caaaaaaatc 180  
 accaatggca aaacaatatt tctttgtact cctctcaatc tcctatctct tatcactgga 240  
 gctcacggcg gccaccgcag cctcacagac cggagcttcc aaaaaagcca taaacttcat 300  
 ccaatcttct tgcaaaacca ccacataccc tgccttatgt gtccantcac tctccgtcta 360  
 cgcaaacgac atccaaacaa gccctaaacg tttanctgag aacgctatag ccgtgacact 420  
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<210> 17523  
 <211> 476  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 17523

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aacgccttta atcaccgcta gattagttcc tagatgtatc atccatcgag cttcaatctc  180
cgccgtctct ttttccaccg tccgccgtcg attttctcct ctcaccatgg cctcagcagc  240
tcagtcttct tctcaggctg tgtcttaagg gagtggcaac agtgatacag atgtttttaa  300
attgattcaa gtcacgagg agaaggctgc tcgtctttcc ccaatcgaag aaatccgaac  360
tgtgcttaat ggtaacatat gcggtatgct ttccactttt tctcanaagt atgaaggggt  420
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<210> 17524  
 <211> 516  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-017-Q1-E1-H12

<400> 17524

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tgcttcagtg atgctatctt cggtgacant gaaaccant ggtttcacgg tgganaagac  180
ggcggctana ggattaccgt cgctcacaag agctcgcccc tccttcaaaa ttgtcnccag  240
tggcgtcaag aagatcnega ccgacnagcc cttcggaatt aacggcagca tggacttgac  300
ggacggcgtc aacacctccg gcagaaangg canaggatac ggtgtttaca agtacgtcna  360
caattatnga gctaacntcg atggatacag tcctanttac aacgagaacg aatggtaaac  420
caagtgggtga cntgttcaan ggatgaatca ncgattggc aanttgggcg gtaactctcn  480
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<210> 17525  
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<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-017-Q1-E1-H4

<400> 17525

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tgcgatcaca aagctaaagc tggctcgatc ctttggggag aggcagattg gtgcacgcg 180  
ttcggtggtta tcgactcgag gaccggcgat tcggtacttc agtgacgata aaggctcgtg 240  
gctcagcgaa gaggaacgcg cgaaagagag catgtatatc cagaaaatgg agagggagag 300  
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aagaaacctg agacaacaag ccatgagttt acaccacagt atacangaat ccggtcataa 420  
nggaagccan tantgaaaac nataatgcct ttgaccaagg tccccctgg natgagnaat 480  
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<210> 17526  
<211> 524  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 17526

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agatagtcca ctgccgatgg gctatgctag gagccgccg gatattcatc ccagagttcc 180  
taacgaagat cggaatcctc aacactccgt catggtacac ggcgggagag caagagtatt 240  
tcacggacaa aaccacactc tttgtcgttg agctcatTTT gatcggatgg gcagaaggac 300  
gtagatgggc cgatatcatc aagcccggta gcgtcaacac tgacccagtc ttcccaaaca 360  
ataaactgac gggcacagac gttggttacc cangtggggt atggttccga cccgttgggt 420



tggggattcc gggtaacccg gctaaactca aaggatttaa ggaccaaagg agattnaaga 480  
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<210> 17527  
<211> 567  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-017-Q1-E1-H8

<400> 17527

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tcgtgctagt acatggtgcg tgccacggcg catggtgctg gtacaagggt aagcctcttc 180  
tcgagggcgtt gggccatcgt gtaaccgtct tagacctagc tgcttccggg atagacacaa 240  
ccagggtcaat cactgacatt tctacatgtg aacaatattc tgagccattg atgcagctaa 300  
tgacttcatt gccgaatgat gagaangttg tactcggttg tcatagcttt ggaggtttga 360  
gtttaacctt agccatggga taaattttcc ccgataaaat ctcngtcccc ggtccntcgt 420  
gaactggnaa ttcaatggcc ccgacaacca naccacctcc aacnatccgt ttccgtccaa 480  
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<210> 17528  
<211> 429  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-A1

<400> 17528

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accggaaggt taaggaagtt ggtggcctga tgacagggga gccggcgacc gaagccccgg 180  
tgaacggcgg ccgtaacgat aacggtccta aggtagcgaa attccttgtc gggtaagttc 240

cgacccgcac gaaaggcgta acgatctggg cactgtctcg gagagaggct cgggtgaaata 300  
gacatgtctg tgaagatgcy gactacctgc acctggacag aaaganccta tgaagcttca 360  
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gccccctcc 429

<210> 17529  
<211> 406  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<400> 17529

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gtgataatcg aggacaagct tgcagggata ttactttcca aggatatact gatgcgggtt 180  
gtggctgaaa atcttctctc atctgagact ctagtggaaa cggttatgac tcagaatcca 240  
naatctacga tagttgacac accaattggt gaagctctac acatcatgca cgaagggaaa 300  
atttttacaa ctttcccgtt actgacaaaa gaaagggatt nattgctgtt tgtccaatgt 360  
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<210> 17530  
<211> 310  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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gggcaatcat ttcgatttga tctccgatgc ttttttttgt tggtttggtc ttttaatttg 180  
ctagactctt aatgaataat gtatatgatg gtgttttggt gatatcgaat gtatcaattg 240  
tttctgcnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnngcggcc

310

<210> 17531  
<211> 469  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-A4  
  
<400> 17531

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nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnntttctcc gataattctt tggactgatg 180  
aattaaaggg aaacgctgag tgtaaatcat acaacagttc taagtcgtga aaacaaaaaa 240  
aagatggctt gtanagggtg tttggagtgt ttgttgaagt tactcaactt tctcctggct 300  
gttgctggac ttggcatgat tggttatggt atcttgctcc aaggcaacaa atcaggcagc 360  
cattcatcaa ccgccaagcc gccctgtca ctggtgtccc agttgctcct aactttggac 420  
caacgccccaa gccgcagtga ccnttgatt gcacgtatga gggaaaant 469

<210> 17532  
<211> 448  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-A6  
  
<400> 17532

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gcaggcgaca cctgagccta ataatgcaga accgtatcca gactataacc tgggtggtcac 180  
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gatccaagac tctgttacca tcatctctaa ccgtctcaag aaagccataa aggccttgag 300  
aaatgaagtc agccccggtc aagcaaccac tgtgttacaa atgcttctca aaatantcag 360  
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448

<210> 17533  
<211> 473  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-A9

<400> 17533

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aagacgatcc caacgatcga tctcggagga cgggacttcc aggacgcat taagcacaag 300  
aacgcgattg aagggattaa agaagcagct gccaaagtggg gtttcttcca agtgatnaac 360  
catgggagtt tccctcgaac ctcttgaga aanatgaaag atggagttcg tgactttcaa 420  
gagcnaactn cctgaaatga gggaaaattt ttcaaaccnc aattttggaa aaa 473

<210> 17534  
<211> 582  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-B11

<400> 17534

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gctgggataa gacgacagaa ggggggagac ggaanaaaat tcgaatcatc agtgtttgtt 120  
tctcctcttc ttaaagctta gcccttctca ggtcattgtt cttcaatggc ttcgagcaac 180  
acgactactg gggttgataa tacgtttaga aagaagtttg atgtggaaga gtttaaggag 240  
cgtgctcgtg aacgcgaaaa gaaggaatcg gatcgggtcta aatctcggtc caaaggctct 300  
cctgtgcaaa gagccccttt tgaagcatag agattatcat gtnnaccta gaatccccgt 360  
ctgggcaaaa cacaagtcct ttacaccggg ttaaccgccc tcctaaaatt caagcaaagg 420

cttggggttaa atttccggtt cccnnttttg gtgaaattgg ggtttgggtt aaaagaantt 480  
 ccnggnaaaa cctaaacttt tgggggtttta caattaaaaa attnggggaa aaaaaanccc 540  
 nccccaaaag gggggcaant tttgggggaa atntttttta at 582

<210> 17535  
 <211> 497  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-018-Q1-E1-B12  
 <400> 17535

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 cagaagggtta cggctccgag aagacgacag aagggtacgg ctgcgagaga cgacagaagg 120  
 gtacctttga cggcgaggtt gataaagtgt acttgaacac gccgacaaag attgccatca 180  
 tagatcatga gaggaaga actatcgagt tgcaaaagga aggcattgcca aatgcagctg 240  
 tgtggaaccc ttgggacaag aaggccagga gtattgcaga tatgggagat gaggattaca 300  
 caacaatgct gtgtgtagat tctggtgcta tagaaagccc aattgtgttg aagccacatg 360  
 aagagtggaa aggaagacaa gaactctcta tcgtctctc aagctactgc aacgggtcaac 420  
 tcnattcacg taaaggtcnt taaggggaat accngtaat atatatgaaa tccaacttgg 480  
 aacatcatca atcttat 497

<210> 17536  
 <211> 490  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-018-Q1-E1-B2  
 <400> 17536

cggcccccg tccggaaaan cgggtcgacc cncgcgtccg cccaanngtc cgcccacgcg 60  
 tccgcccacg cgtccgtacg gctgcgagaa gacgacagaa ggggctttta gacaaaacta 120  
 gtggcagact gaaaaatgaa cgcagcgctt gcaacaacca ccgccacaac tcccgtactc 180  
 cgccgtgaga cgctcttctt tcattattgt tctctcacia caaaatcgcc ggtttacaa 240

attaacagag ttagattcgg atcttgctg caaacagtca gcaagaaatt cttgaaaatc 300  
 tcggcgagct ctacagagcg ttcagcggcg gtcaatgtca cggcggatgc ttcgattccg 360  
 aaagagatga aggcgtgggt gtataatgac taagggcggg attnatgttc tgaaggctgg 420  
 agaataacat tgttgtgccg gagattaaag aagattaagg ttttgattaa agttgttgcc 480  
 gcggntctaa 490

<210> 17537  
 <211> 512  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-018-Q1-E1-B3

<400> 17537

actctcttaa gcccccggtc cggnannnac gggtcgnccc ccnccttcgn ccaaaaattc 60  
 cntacggctg ctanaagacg acagaagggt acggctgcc aagacgaca gaagggtacg 120  
 gctgcgagaa gacgacagaa ggggtacggct gcgagaagac gacagaangg tacggctgcg 180  
 agaagacgac agaattgttac ggctgcggga agacgacaga aggggtacggc tgcgagaaga 240  
 cgacagaagg gtacggctgc tagaanacga cagaagggt aaggctgcgag aagacgacag 300  
 aaggatacgg ctgcgagaag acgacagaag gatacggctg cgagaagacn acagaaggat 360  
 acggctgcga gaagacgaca gaangatacg gctgcgagaa gacgacagaa gggggatttc 420  
 agaattttgg gactaaagga ggacaacnac aaagcncctc gaaaaaatcc gagaacgaca 480  
 acaattggcn ccttcttcgt caaccgtctc ac 512

<210> 17538  
 <211> 519  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-H6

<400> 17538

gtngtcttct tggccccct accggtcaag anttcccggg tcgaccacg cgtccgtacn 60  
 gctggagaag acgacagaag ggggnnnnnn nnnnnnnnnn nnnnnnnnnn nnncttctcc 120

tcaaaaatgg cgtttacact aggtggaaga gctcgtcgtc tagtctctgc aacatcagtt 180  
catcaaaatg gttgcttaca caaactgcaa caaattggat cggatcgggt tcagcttggt 240  
gaagcaaaag caataagatt actaccagg agaacaaaca tggttcaaga attaggaatc 300  
agggaagaat ttatggatct aaacagagaa gcagagacaa gttatgattt tctgggatga 360  
aatgagacac aagatttctg aaattcaaga gacaaaagtt tctaccggag atagaaaagt 420  
ttaaagctt tggccatagc tcaatcacca aaggtaatgg tgataggatg tgcaagattc 480  
aagggtatgt ccatcttatg ttctaggatt caacctggt 519

<210> 17539  
<211> 390  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-H9

<400> 17539  
gaaggggttg tccaatttgc tcgaggtcag tgattgatat gtctaaaaca tggcagagac 60  
tcgatgaaga gatcgaagcc actgctatgc cttcagatta ccgtgacaag aaggtttgga 120  
tactttgcaa cgattgtaac gacacaacag aagtgcactt ccacataatc ggacagaaat 180  
gtggacattg cagatcatc aacacacgag cgattgcgcc tctgttctt cctcaatgac 240  
aaaaccaaga tnttcccatg tattgcctcc agaaagcaag caagaacttt ttgttgctaa 300  
aaaaactgan gcatagatta atgatnatna canagaaaga aaaagaaaaa ngantgatga 360  
ttaatttggt ttattggncc caaaagccaa 390

<210> 17540  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-A10

<400> 17540  
ccccaaaaa aacagaagaa taagaagaca caactcttgt tttaaatttg agtcccattt 60  
acttttgatg ctaaatagga gagaaaacgt ttttgactca cacataacgt agagagacag 120

agagagacaa aaaaaaagag acggaatat tccggcgaag attgagactc tcaatatcca 180  
atggagaagt attcccggcg gtctattctc ctttccacgg tggtcgccgc cgtgttattc 240  
tctttaattc cggtttcaat ctctattccc ttcatactct ttcacgttaa tattaattat 300  
ccaaaaaaaa aagaaaacag gaattggaga taaatgttcc tgggtggagtt agtaacttca 360  
cgcaactccc taancaaacc tctctggctc ctctggcta ttgcntaaaa aataagaa 418

<210> 17541  
<211> 428  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-H5

<400> 17541

aaacgacaga aggggggggc ttttgtggct cctaacgctt ctctctctgg tgatgtccat 60  
gtgggaagag gttcttccat ttggtatgga tgtgtcttga gaggagatgc taacagcatt 120  
agtgttgag ctgggaccaa tattcaggac aacgctcttg tccacgttgc taagaccaac 180  
ttaagtggga aggtcttacc tactgtcatt ggagacaatg tcaccattgg tcatagtgtc 240  
gttttacatg gctgcactgt cnaggatgag gcctatattg gtacaagtgc aactgtcttg 300  
gatggagctc atgttgaaaa acatgccatg gttgcttcag gagctcttgt taagcagaac 360  
actagaattc cctctggtga ngtttgggga agcaacccaa ctaaatttct gaggaangtg 420  
acagaaga 428

<210> 17542  
<211> 478  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-A2

<400> 17542

ntactgccct ccgacattca aggtcgcccc acgcgtccgt anagctgcag aagacgacag 60  
aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt 120  
acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtagcgct 180



gcgagaagac gacagaaggg tacggctgcn agaagacgac agaaggggtac ggctgcgaga 240  
 agacgacaga aggggtacggc tgcggaagac gacagaaggg gaagacaaaa aagcaaatat 300  
 ttattcgtaa atataacttc agaacccttt caacaaaact ctctctgttc tttctccgtg 360  
 gagaagttaa agatgacgat gtcggagaac tcaagaaact tggaaactgg tttgctactg 420  
 angaagaacc aaaacgacat caacgaatgt cctatcactg ctgttgtacc tttcaata 478

<210> 17543  
 <211> 397  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-016-Q1-E1-A6  
 <400> 17543

tgagaaggtc tttgtggttg gacatgattg gggagctctc atcgcttggg atttatgtct 60  
 cttccgacca gatagagtca aagctctggg caacctcagt gttccgttct ctttccggcc 120  
 aaccgatcca tcggcgaagc ccgttgatcg catgcgtgct ttctacggcg atgattacta 180  
 tatctgcagg tttcaggaat ttggagatgt agaagctgag attgcagagg ttggaacaga 240  
 gagagtcatg aagagactac tcaattatag aactcctgga ccggttaatta tcncgaangg 300  
 acaaaaattt ttggggatcc aaagggcnaa actataccac tccccgtctt gggctnaacg 360  
 gangaagatg ttgcttactt ccgtcagcaa gtttgaa 397

<210> 17544  
 <211> 386  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-016-Q1-E1-A8  
 <400> 17544

aacgcgtccg cccacgcgtc cgccccacgcg tccgccccacg cgtccgtacg actgcgagaa 60  
 gacgacagaa ggggagaaag aagaggaagc acaaaagctt ctggcgtttg gattaggtag 120  
 aagagcgtgt cctggatcgg gtctggccca acgaatcgtg ggactagctc tcgggtcatt 180  
 gatacaatgc tttgaatggg agagagttgg gaatgtggaa gtggatatga aggaangagt 240

tggaataact gtacccaaag cgattccttt gnaagctatt tgcaaagctc gtccatttct 300  
acataanatt atttctctaaa attgttgaaa ctacgaataa aagatgtgtg acatgttnat 360  
gcantcaatg attcccctcg aaaaan 386

<210> 17545  
<211> 492  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-B1  
<400> 17545

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gctgcgagaa gacgacagaa ggggaaagcc ttaaaggaga ctcagcattc caatctcgtt 120  
cgaaaattca attccgagta acccatttag gagttcactt acttgaaaaa gtgaagcaaa 180  
atgcagagga gaaaactgtc gtgtcttatt ctccgatcct ggtggcgaga cttgagaatg 240  
ttggtcttca ttccatgttc actgaccagc aaaaatttaa ccaattatgt atagaggctc 300  
taaagtgtga tcacaaatgg gcaggggcac ctttgcagc catgcttcgt cagcatcaat 360  
caagttcaag tgacgcaaatt ggttgtctat tcaaagtgtg attcattcta gtatcaagtg 420  
gttcacgctg cacacaagtc aagcactcct cgatagtttt gcagccagtc aatttgaacc 480  
tanacgaaga ga 492

<210> 17546  
<211> 422  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-B10  
<400> 17546

gccgtccgac catccanggt ggncccacgc gtccgtaaag agaagacgac agaaggggat 60  
tctcggagag aagagagacg ataactccag ttttacacga tgctgctgca gtggctggtt 120  
ctggtattgg tggcttgctt agtgccgtcc atgctttcaa tacagggatc ccctatcttc 180  
aaaatcggtt ttccgggtca aagcggcttt cctttcttgt gggggttcca ttgcttctag 240

tatattcagg tgtaggggct gcttttggag gttatgcact tccaaagttt gctcagctga 300  
cagttacctc gtattatgca tcttcaagtg cttcacatta tggaatttct atgctagccc 360  
ggcgtatcga acaagctcgt ctctctcgaa ctcgaaaaag aatangtaaa atgaagtcac 420  
gc 422

<210> 17547  
<211> 395  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-016-Q1-E1-C1  
<400> 17547

aataagaaga ttaattgagg agaaatcgaa gatgtctata gcgttagcgg agaagattca 60  
agccaaatth tgaagaagtc tagtagattc tgtattgtaa gctactaaaa tctgcgatgg 120  
tgaggcattt caatcgtcgc cggaaaattc atcggagata ttaaaattga atcaagcttc 180  
gaattgggtca accgatctat attgagtgat ccagaggacg aaaccgagat gtatgtgggt 240  
tacgcaaaca gaaccgagga tgacattctt gtgagggaag agctagaagg atgggctagt 300  
aagcataagg agaggctaaa gatttgggtac gtcgttgaaa tcgcaaagga agttggagtt 360  
acagtaccgg gtttataact gaagctgtgc ttaag 395

<210> 17548  
<211> 411  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-C11  
<400> 17548

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acatggagtc ttctatatca caaacactaa gcaaactatc agatcccacg acgtctcttg 120  
tcategttgt ctctcttttc atcttcatca gcttcatcac acggcggcga aggcctccat 180  
atcctcccgg tccacgaggt tggcccatca taggcaacat gttaatgatg gaccaactca 240  
cccaccgtgg tttagccaat ttagctaaaa agtatggcgg attgtgccat ctccgcattg 300

gattcctcca tatgtacgct gtctcatcac ccgangtggc tcgacaagtc cttcaaagtt 360  
 caagacagcg tctctcnaac cggctgcaac tatagctata agctatcctg a 411

<210> 17549  
 <211> 469  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-016-Q1-E1-C3  
 <400> 17549

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 agggcaagtg gctgtgatgg cgatggagag cctcgctcgga gctccggtgc ggtggagaag 120  
 gaggaagaaa tagtgaaaga tgaggagagg agatccaatg cgtcgggtgtg ttcgggtggaa 180  
 atagatctgg agcttggatt gcctgagaaa gttgtacatt tgtcgcaatc tgagagagat 240  
 tgcaggattt gtcacatgag cttagatgca gcgaatcttg aatctggtgt tcccattgag 300  
 cttggctgtt cttgtaaagc tgatctcgct gctgctcata aacactgtgc tgagacttgg 360  
 ttcaagatca aaggaaacaa aatctgtgaa gtttgtgggt cgattgcggg taatgttgtt 420  
 ggaagtgttg angtggagtc tgaggaaagc cggaatgaan caaatggtg 469

<210> 17550  
 <211> 183  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-016-Q1-E1-D1  
 <400> 17550

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 acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa ggggtacggct 120  
 gcgagaagac gacagaaggg cggnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngc 180  
 ggc 183

<210> 17551  
 <211> 512  
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-016-Q1-E1-D10

<400> 17551

gtnggagaat ttcttctgct ntagccctcn tgcatacaagg tggccccagg cntccgtaaa 60  
gctgcaagaa gacgacagaa gggtagcgtg cgagaagacg acagaagggg agaacaaaat 120  
actcatacac acacacactt ggatttaaag aaaaaaagga gttttccttc ttcttttggg 180  
tgtgtcaagt ttctgttctt ctttttctcg tgcttccatc acgagatatc tcacaaggct 240  
ctcgcgactc aagaaaggtn aagataaaga aagaagaagc aaagattcca taaatggact 300  
tgaaangcaa caaccaccag caacagcaac aagtacttga tggctcggac atagttgagc 360  
tggtgganan cgagaaagtg tccgacaagt ttgtggaaca taagtttcaa cagtttagac 420  
naangatgaa gaatggtaag ctnccccgtt gactgaattt ncaanccctc cgtttctgat 480  
ntcnggctct gtccttggt tttcntgct ca 512

<210> 17552

<211> 356

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-016-Q1-E1-D11

<400> 17552

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tacggctgcy agaagacgac agaagggnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngcg 120  
gccgctctat aggatccaag cttacgtacg cgtgcatgcy acgtcanagc tcttctatag 180  
tgtencctaa nttcnattca ctggccgctg ttttanaacg tcgtgactgg gaaanccctg 240  
gcgttaccca ncttaatcgc cttgnagcac atnccccttt cgccagctgg cgtaatagcy 300  
aagaggcccg caccgatcgc ccttcccaac anttncgcaa cctgaatggc naatgg 356

<210> 17553

<211> 488

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-D12

<400> 17553

tngtctagcc tccgacatcn aaggtngncc cacgcgtccg ccnacgcgtc cgtccacgcg 60  
tccgcccacg cgtccgtacg gctgcgagaa gacgacagaa gggggaagaa aaacagatca 120  
aaatagagaa atattgaaat tcgtgcgttg agagaaaaac gttgaacgat gggagccggt 180  
aatggagaaa cgccaaaacc tacacagatt tcaatttcta aagatcaatt cctcgtttgg 240  
aaacgccaaa aggatgctga gttattagcc aaacaagctg aagcagcaag gaaacgacaa 300  
gaggacatag cttcaggtcg tgttccaatg aatggtcgtg agcttttctt tgcataaacc 360  
cttgggtttt cgacgaatac catcattgaa tccgggtcta ttcactactt cttcataggg 420  
naacaagaga tnattccgac cctcaattag ttactgccna cttgcatctg agttaatgaa 480  
ttgggaca 488

<210> 17554  
<211> 503  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-F2

<400> 17554

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gctgcgagaa gacgacagaa gggcataacg aaacagagtt tccctgagct acatttaacg 120  
aaagaagatt gtatggtaaa gaaatggatc gaatctagtg ttttctgggc gaattatcca 180  
gaaaaagcac cgatagagtt acttcttaaa agagtatcaa ccaacgaata ctactggaaa 240  
cgtacttcag attttgttca agcaccaatc tcaaaacagg gtcttgcaaa gatttttcaa 300  
acaatgattg atcgttcgcc acttccacga cgagtttgga tgcaatggaa tccatgggga 360  
gggaaaatgg ctgagatagc gtctgatgcg acggcgtttg tgcatagagg tggtaatggt 420  
ttcntgattg agcatttcat gaattggtat agacctggag atgagcttga nganaagttc 480  
ttggcgattg ccagaagttt tta 503

<210> 17555

<211> 501  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-F3  
  
 <400> 17555  
  
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 acagaagggg actctcagac attttgtcaa acagatgggtg ctcgtttctg aatcagctta 120  
 agaactaaca aggagacaga cactaagctt gggttttctc tccgattaga cggaggaaaa 180  
 agtgaaaacg aggggcttag acgagtnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnttc agatatgcct ttgcctcaac 360  
 agaacagagc ctttagtttg tcgcgtgaga ttttgaatgc tactccaagg aangctgata 420  
 acaaaagact cgctcatgcc ctaaaaaagg acttcgattc aacctacggn ccggcatggc 480  
 actgcattgt tggnacaaac c 501

<210> 17556  
 <211> 387  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-F12  
  
 <400> 17556  
  
 ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 60  
 gaagacgaca gaagggtgac atcgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nngcggccgc tctagaggat ccaagcttac gtacncgtgc atgcgacgtc 180  
 atagctcttc tatagtgtca cctaaattca attcactggc cgtcgtttta caacgtcgtg 240  
 actgggaaaa ccctggcggt acccaactta atcgcttgc agcacatccc cctttcgcca 300  
 gctggcgtaa tancgaanag gcccgcaccg atngcccttc ccaacagttg cncancctga 360  
 atggcaatgg gancccccct tgtaccg 387

<210> 17557

<211> 463  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-F5

<400> 17557

gcgtccgtac agctgcgaga agacgacaga aggggaatga cagtagacaa gacaaggcaa 60  
agaagcaaag atcagataat ccattttcat ttcctcgcca gaageggttct gtaagacctc 120  
ggatgtacct ctccattgac tcggattctg agtaatatc ttcctgattt gtctgttctg 180  
ttgtgtctct cttgggatga ttcggtgttc cttttaattc ttaacgctat gcacagaaca 240  
atgaacagga tcatcagaca agacaccgga gtttaaaca ggatttgcac aattctctgt 300  
gcaggcaaga attgaaccgg tattgatatt ttcacttgta tgatgttgtt gactctctct 360  
tcaatatcgg ttcanaatct tggccttgtc tgctacactg caggatgtaa tttgcaaagc 420  
gaagcactgg gctgatttag tttctctgat agaaaagaaa agt 463

<210> 17558  
<211> 503  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-G1

<400> 17558

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agaagacgac agaaggggac cagagactta aactgggttc tgtatctttt actgggttct 120  
ttcagatata taaatggatc aaatcggtta cgtggatgag tttcaagagc tggccaaaca 180  
ggccctccct aagatgtact atgatttcta caatggaggg gcagaggatc aatacgtctc 240  
caatgaaaat gtccaagctt tccgtagaat catgtttagg cctanggttc ttgttgatgt 300  
gagcaacata gatatgtcta caagtatgtt gggttacca atctcagctc ccatcatgat 360  
tgctccaaca gcaatgcata agttgggtca tcctaaagga gaaatcgcca cancgaaagc 420  
tgcanctgcy tgtaacacta tcatgatagt atcattcatg tctacttcac tantgangaa 480  
gttgctccan ttgtaacgct gtt 503



<210> 17559  
 <211> 477  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-G10  
  
 <400> 17559

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acccaaacaa aaaaacattt tttctctata aatcctttat tattgttata aaaactccga  120
tggatcggca aaattccgat gacatcatga gatttctcga tggaatggct agtcccgacg  180
acgttctttt cggtttttctt gacgaaggaa accagtcacc ggaagatttc tccgtaaacc  240
tcaacgccgg cgaagatgac ggtgacgaag acgacaataa taacaattct gaagataaca  300
aagctttttt gcaggaacac gaacaacttc ttcaggggac actgtatagg acaagttcca  360
ttgagacaaa gattagacaa gctacaaaag aagcgttgaa acaagttaaa tctaanggtc  420
ttattgtgtt tgccggcgac cantggacgg cgttgccgga tttcctacct tgccaaa   477
  
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<210> 17560  
 <211> 488  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 17560

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atgtcttctg gntccacggt ccgganaacc gggtngacct acgcgtccgc ccangcgtcc   60
gtacggctgc gagaagacga cagaagggcg agagaagctc tatcttcttg ctgttgggta  120
ttacagaagt gggaattact caaggagcan gcagctcgtg gaccgctgta tcgagatgca  180
agctgattgg agacaagctt tggtcctaaa gaagaccatc gaagacaaaa tcacaaagga  240
tgggtgttata gggataggga tcacggctac agcctttgga gctgtggggtc ccatagccgg  300
tggtatcgca gcagcgatgt ctcgcaagaa atgaaaacca caaccatgac ttcttctctg  360
tgtatacaat ggcagtttac tttttttcac atttttttcc tcntccttga gtgtgttctc  420
cactgcctac ttcacaatct atgatatnna aaantcnaag cctatttgcn tcgaattaac  480
  
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aaaaaaaa

488

<210> 17561  
<211> 512  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-G3  
  
<400> 17561

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gagaagacga cagaaggggg accttgggcc ggtgatatta gcacccgcga tctaggttcg 120  
ctggttgccct ttgaagatgg aacatcaaca tcatatgccc tggcgagtgc gcaggagaga 180  
gggcaaagt ttgtaggttc tggagtggat gtatacaaag gtcagatagt tgggatccac 240  
cagagaccgc gcgacttggg tcttaatatc tgcaagaaga aggcagcgac aacataaga 300  
tccaacaaag atgtaacagt gattcttgac actcccttaa catatagtcc ggacgactgc 360  
atcnaataca ttgaagagga tgagttggtg gangttacac cttcnantat taagatgtgc 420  
aaagaatcag aaaatggcaa agaaaggcaa gcantnaaaa cccatttttg caanctgggg 480  
tttgaggaa attgaagaaa agcttctact aa 512

<210> 17562  
<211> 509  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-G6  
  
<400> 17562

caatttntgc gcgcctacc ggtcnagata tccgggtcga cccacgcgtc cgtacagctg 60  
cgagaagacg acagaagggg agaagaagaa aaatcgatgg cggggatact agtgaacaat 120  
atcctccctc aacctccgat tctccgatcg ctttcttctt cttcgccaag aagttcaatt 180  
cgaaccctag ttatggtcaa agcttcttcc tctgaacctt ccgagtctgt ttcagtctcc 240  
acgaagacca gtgacgacac tggagctggt gttgtgttca ctgctcctcc tggtttcaag 300  
ccaccggagc caaaacggtt cgccgtcaaa tccggaaaac tcttcgatgt cttgggtgca 360

gcaattggat tgtttttccg attcggcact ggtgttttcg tttctgggta ctctgcatcc 420  
 ttttgtgtct aaggaagaag attccanctg atcagtatgc gttgcgttta ngcgggatna 480  
 cggtaaagga aactgctaag tccggcctc 509

<210> 17563  
 <211> 431  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-G7  
 <400> 17563

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 gggaagacg aagatgccgt ccttgatctg aaatcgaagc tttatcgatt cgataaggat 120  
 gcgaatcagt ggaaggagag aggagctggt actgtgaagt tcttaaagca taagaacact 180  
 gggaagattc gtctcgttat gaggcaatct aaaactttga agatctgtgc taatcacttc 240  
 gttaaatecg gcatgagtgt tcaggaacac gttgggaatg aaaagtcatg tgtgtggcac 300  
 gctcgtgact ttgctgatgg tgaactcaag gatgagcttt tctgtatccg atttgcttct 360  
 attgagaatt gcaaaacatt tatgcaaaag ttcaaggaag ttgcctgant ctgaagaaga 420  
 gaaagaagag a 431

<210> 17564  
 <211> 268  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-G8  
 <400> 17564

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 gctgagagaa gacgacagaa ggggtacggct gcgagaagac gacagaaggg tacggctgag 120  
 agaagacgac agaagggtac ggctgagaga agacgacaga aggttacggc tgagagaaga 180  
 cgacagaagg gtttgnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnng 268

<210> 17565  
 <211> 444  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-G9  
  
 <400> 17565

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cggtccgtac agctgcgaga agacgacaga aggggggagag aatctttccg gtgaatggga   60
aatggcaaga agaaggatac gactacgatg aagttgagtt agagcgggag agagagacat  120
accgttgacc actaaagacg agagcttttag agagagacgc aacaatggag ctgagtattt  180
ccgagagtcg aagcagatca attcgttgca ttgtgaaact tggaggtgcg gcaattactt  240
gcaaaaacga gctggagaag attcacgatg aaaatctgga ggctcgtggcg tgtcagttac  300
gtcaagctat gttgganggt tcagctccaa gcaaggttat tggcatggat tggagcaaga  360
gancgtgaag ctctgagatt tcctgtgatg tggatgacat aggggatnaa aaatctccga  420
atttaataaa ttgttgtggg tcaa                                           444
  
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<210> 17566  
 <211> 519  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-H1  
  
 <400> 17566

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actggttttt ctgggcccc cggtcggga nananccggg tcgacccacg cgtccgceca   60
agcatccgta cggctgcgag aagacgacag aaggggatcg tgcgtctgta cggaccacaa  120
aaggctctct ctttatttct ctgtgagatt tttttaggat ctgagagagc caaagatcat  180
ggaggaaagc caagaacttg ccttgacca gttgagaaaa tcggtcgaga aactctcttc  240
ttctactgag ggatatgaca aaccaacatt gatgaggttc ctggtggcaa gatnaatgga  300
cccagtcaag gnancaaaga tgtttgtaga ttggcaaaaa tggagaacct ccatgggttc  360
tccaactggg attcatccct gagtcagaag tgcaaggatg aattgggatt cagaaaggtc  420
tgtcttcaag gtccgaccaa atcccggaca accattgggt gcctgtcaaa acctccaanc  480
  
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attttgcctc caaaggattc aactaacttc aagaaattt

519

<210> 17567  
<211> 484  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-H10  
  
<400> 17567

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gaanggcaat atgggatctt tctgaaaga agaaacgtcg ncgttgatga cagatttttt 120  
ggagaagtgc ggtggttatg cgggtgtgga tggaggggtt ggcacggagc tacagcgcca 180  
cggagctgat atcaatgatc cactttggag tgctaantgc cttattactt ctctcacct 240  
tgttacaaag gtgcacttgg attaccttga atctggagca antatcatca tnacagcatc 300  
ttaccangcg acnatacaag gttttgtggc aaaaggtcta tcggtgggan gaaacacaaa 360  
atttacttac aaggagcgtt gaaatcacgt acgaagcacg tnacattttc tacaacagat 420  
gcaccaaggg ttcattggat ttcgcctacg cnggaaancn ttcccggaga ccaantcttg 480  
tccc 484

<210> 17568  
<211> 521  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-C3  
  
<400> 17568

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caagctgcga gaagagacag aaggggaaga ttggagcaga tgcaaatcaa gaactgatgt 120  
ctgggattaa acattttctt attggcggtt tccagtttgc tgctgggaaa cttggttggg 180  
atcctaagca aggcgagagc catctagatg ctatgctgag aggggaagtc ttaactgcac 240  
ttgctgtgtt tgggcatgat gagacactaa aggaagcagt tcgaagattt gatgcatttt 300  
tggctgatag gaacactccg cttctgcctc ctgacattag aanggtgct tatgttgctg 360

taatgcagag agctaacaaa tcagacaaat ctgggtatga gtctcttctg agagtttata 420  
 gggaaaccga cctgagccaa gagaaaacac gaatcttaag ttccttanca tcttgcccan 480  
 accccactat agttcaagat gttccttaac ttcctantgt c 521

<210> 17569  
 <211> 511  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-C4  
 <400> 17569

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 ggagaagatt acagaggcac cgtcgtctcc tccacagttt cttgaacatt ctgatggtct 180  
 taattaccgg agtttcacag atctacgtga tcttcttcca ttaaaggcgg cggcttcttc 240  
 attcgccgcc gcagctggat cttcagacag tagcgattca agcgctctgc tgaatgaaga 300  
 aagcagctct aatgtcactg tggcggctcc ggtgacggtt ccaggaggta atttcttcca 360  
 atttgtgaaa atggaacaga cggaggatna tgaagacttt ctgaatggan aanaagcctg 420  
 tgaattcctt tccgatgaac aaccgccgtc tctacactgg tactccaccg ttgatnattg 480  
 gaattgaaac tgaaaacacc accggaagaa a 511

<210> 17570  
 <211> 486  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 17570

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 acggtccgt acggctgca gaagacgaca gaagggtacg gctgcgagag acgacagaag 120  
 ggtacggctg cgaagaagac gacagaaggg ggagcattag aaatggaaca gttttttgct 180  
 ctgtttacca tttttctatc ttttgcttcc cccgggagat gcagcgacgt tttcagcaga 240

tctgatttcc ccgagggatt cctcttcgga gctggcactt ctgcttatca ntgggaanga 300  
 gctgctgcgg aagatggaan gaaacctagc gtgtgggaca ctctttgtta ctctcgtaac 360  
 attggtaacg gagatgtaac atgtgatggg tatcacaagt ataaggaaga tgtgaagctg 420  
 atggtagaca ctaacttaga tgccttcaaa ttctcatatc ntggccaag ctaataccta 480  
 attgga 486

<210> 17571  
 <211> 536  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-D11  
 <400> 17571

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 gtttaacaag ttagaggaa ccaaagttga aaactttgaa ctccccattg attttaatgt 180  
 taattactga tcattcnaat ctgaaattga agcatatgaa tgcctaaten gtgaatgtta 240  
 gaagaaatnn aagaagatgc agagggtgaag ggttcacctc aaagacattt gtgcataanc 300  
 ttggngaate ccaaatgaca taacccccaa atttaaaagt aacctgcac cacaacatcc 360  
 gacaattgtt cnaataaatt natccgggaa ttaaaaaant ggtcccccta aaaaaggana 420  
 aacccccntg aaattccccg ggtttaacca nnaccnaaag ntttcncccc tnaacnggtc 480  
 cctttaaccg gggtccaan tttcaaaaan ccntgtttt cccaagtta aatccc 536

<210> 17572  
 <211> 510  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-D2  
 <400> 17572

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gtacggctgc ganaagacga cagaagggtg cggctgag aagacgacag aagggggcag 180  
 cctttggata ttccggcgaa tcgaaaatgg tcaaggagc ccaaggagaa cgagtcagac 240  
 tctacgtgag gggaaccatc ctccgataca aaagggtcnaa gtccaaccag tatccaaaca 300  
 cgtccctcgt ccaaatecga ggagttaaca ctccagagga ngtaaaactgg tacaaggga 360  
 agaagatggc ttacatcta caaggctaag acaagaaga acggtngcca ctaccgctgt 420  
 atctggggaa aagtttncaa ggcctcacgg taacaacngt tttccgtnc caaattcnca 480  
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<210> 17573  
 <211> 494  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-D3  
 <400> 17573

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 gcatccgccc angcgtccgc ccacgcgtcc gtacggctgc ggaagacgac agaaggggaa 120  
 gcggatatct gaaaagtccc atctttggat gctcattcac aacgggcact gcacagatct 180  
 ccaacaagca gcagctgaga cattacatct cagactttga tcccgagaca ttgcanagat 240  
 gcgcaaaacc aaggacagag gangcaagga atctgataga gaagcaaagt ttggctcttt 300  
 ttggcacgga agagagtgat gagaccatag tgacatcggt ttcgagtctg aagcggttgg 360  
 ttctcgaggc tgtggcggtt gggacattcc tgtgggacac ggaattgtat gtagatgggt 420  
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<210> 17574  
 <211> 508  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-D4  
 <400> 17574



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 aaccctagaa cggacggaga agaaaaccct agaccggcga agaagataaa tcagattcga 180  
 tgtcggataa taaagaccgt gattccgatt ccgatgctcc ggaggaatta acccaggagc 240  
 aggcgaagct ggaagaggaa gcactgtgga aaatacagag agagaataag aatagggttt 300  
 cccgtgagaa gaaagagagg cgcaagctta tggcaganca agtaactctc cgaaaatctc 360  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420  
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 aaaacaaaaa gctgagtcag attttgaa 508

<210> 17575  
 <211> 508  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 aacgagaggc aagggtcagg cataatatgc tctctcacta gcctaagaat ttgtagaagc 180  
 gaaaaccatg gattaggggt tttcagtttc ctctttcaat cgattaaccc acagaacaaa 240  
 gtatctctta ctttcggggt tagatattct cttcgtctcc gtctatatat cattttctcaa 300  
 agtcgactta cgaatttgac tcaggagata tttcgtttgt gatatttgta aggctagctt 360  
 caattctatt cagattaatc aatgggattc tcagatgctc gtgggcgctt ggactatccc 420  
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<210> 17576  
 <211> 466  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations

<223> Clone ID: LIB35-015-Q1-E1-D9

<400> 17576

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gacatttgag acaagaccag ccacaagaga ttaaaaaggt cagaagatca aatggtggga 180  
agaagatccg agtggaggtg tctcctagta acaaaagtga ggcggaaact aagcatgttt 240  
cgcttctga cttaaaccac tcggaaaagg ctcacgatga aaccaaacc agtcctaaga 300  
gaagagttcc tttgtttgat ctaaatacaga tatctggaga agaagagcan gaaacagagg 360  
cagtggacaa taatcaagag aacacgagag ttgaagaaag taattcatgt aagagattaa 420  
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<210> 17577

<211> 391

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 17577

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acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 120  
gaagggtacg gctgcgagaa gacgacagaa ggggacttaa ccaaacaatgt ctgaaaaggg 180  
gttgataaaa aaagaagacc acatgtttca agaggagaag agaaagacaa actatggagc 240  
aattggcttg gcttgcttca tttcttggtt ctttgcattc caattcatga aaatcgtaac 300  
aacacaacct tcaacaacaa caacatcatc cattgccgtt atcgatagcc aatgtcctcc 360  
cataagctat ctgatnggaa agaaattttg a 391

<210> 17578

<211> 518

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-015-Q1-E1-E2

<400> 17578

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gcntccgacg gctgcgagaa gacgacagaa gggggcattg aatgagtctc ttcaagattt 120  
acttgatggt attcaagagg atttctatgc tgttggtgac tgggcatata aaatagaccc 180  
cctacggtgt atttcaatgc atggtataac tgaacgttat ctatctggtc aaaaagctgg 240  
tgctgcanga tttgttcgcc ttttgcttgg agatntggag tcnagagttt ctatgcaatt 300  
caaccgtttt gtggatnaaa cttgtcacn aattnaaaag aaatggactn atgttagaaa 360  
aattggggtc nttgccataa aatccaaana ttncancacn tggcaactcc tatgggacaa 420  
tncattccaa gggnaaacta aaaaatttgg gtgatcagac ntacacaana atttntgaag 480  
caaangtttg tgaaccncca naaaaattgc ccacaaaa 518

<210> 17579

<211> 491

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-015-Q1-E1-E3

<400> 17579

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agagacgaca gaagggggct gaaacaagtt gtaattgtgg tgcatttggt cttcagcgca 120  
gccgagaaga ttcgaaaccg gagctaagct atgacgacga ttgttccac ctccgaagaa 180  
aatccctttc tcgctgttgt ccgattcact tcccagctcg cctgggccga tgctgggtccc 240  
gaggcagcag agccagaaat taccaggctc ttagggagg ctgaggagtc aatggtagca 300  
gagaagtggc ttgaattgtc ttcgttaatg gtcacttcag ctgaattggt accttctaag 360  
atatctgaga aagatcttga gtgtacctac accatcattt gcagcattgt cgagaatgcg 420  
aaaagccctg agcaagtcct gaaatggtga aagctataac ntccaaagtt gctcaacaan 480  
ccaattgaca a 491

<210> 17580

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-015-Q1-E1-E7

<400> 17580

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gacagaaggg tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga 180  
aggggaaaga gacgcattta aaagcaaattg accaacaagc gacttcacca tccatctctt 240  
acaaccctcc aagaacactg gctgttttcc ttcactttct agacaaaaca aaaaccatct 300  
tctagagaaa ataaaccaac atgggagaga cagaaaccat ggcaacaaac taactaaacc 360  
atagtatata ttatctatac taatattatc ggcccatggg ta 402

<210> 17581

<211> 467

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-015-Q1-E1-F1

<400> 17581

gcgtccgtac agctgcgaga agacgacaga aggggggactg tggagaaaca ctttagcacg 60  
gtgcgacaag atggcgagct cagtgcgct gcttctatgg agtcttcttc ttctcggtac 120  
actaagcgct attcaggcca aaaagtctaa ggaaaactta aaggagatca cacacaagg 180  
ttattttgat gttgaaattg atgggaaagc agctggtcgt attgtcatgg gtctatttgg 240  
caagacagtc cccaaaactg tagagaattt ccgagcttta tgcactgggg agaaaggaat 300  
angtaagaat gggaangcgc tccattacaa ggggagttca tttcatagga tcataccaag 360  
ctttatgctc caaagaggcg attttacaca tggaatggg atgggaagag aatctatcct 420  
atggtgaaaa atttgctga tganaacttc aaactcaagc atactgg 467

<210> 17582

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-012-Q1-E1-H2

<400> 17582

caacaactaa aaccacattt atcattacag tctgatttga gctaagttct ctcatacataa 60

actctccttg gagaatcatg gctatttcaa aagctcttat cgcttctctt ctcataatctc 120

ttcttgttct ccaactcgtc caggctgatg tcgaaaactc acagaagaaa aatgggttacg 180

caaagaagat cgattgtggg agcgcgtgtg tagcacgggtg caggctttcg aggaggccga 240

agctgtgtca catagcgtgc gggacttgc tctacaggtg caactgtgtg cctccgggta 300

cgtacgggna actacgacaa gtgccacttg ctangctagc ctcacnacnc acgggtggac 360

gccgcaaggt gcccataaan aagaaacana gctcttaa at ggctggccgg gtaatnggga 420

acc 423

<210> 17583

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-012-Q1-E1-H4

<400> 17583

ctggtttctt tgcccagccc tccgganac aaaggctcgac ccaggcntcc gcccaaacgt 60

nagtacggct gcgagaagac aacagaaggg gatgacgtat ctaatgaagt acccacaagt 120

gttgaagaaa gctcaagcag aagtgaagaga gtatatgaaa gagaaagggt caacgttcgt 180

tactgaagac gatgtcaaga accttcctta cttcagagcc ttagttaaag aaaccctaag 240

gatcgaacca gtgattcctc tccttatccc tcgtgcttgc attcaagata ccaagatcgc 300

cggttacgac atccccgcag gaacaacggg caacgtcaac gcgtgggccc gtgtcacgtg 360

acgagaaaga atggggaccg aaccctgatg agtttaggcc ccanaagttt cntgaagaaa 420

ggga 424

<210> 17584

<211> 514

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-012-Q1-E1-H10

<400> 17584

aactggtttn ctttgccctg gcccntaccg gnnanggana tcccggntcg acccacgcgt 60  
cngtacngcg agaagacgac agaagggggt ttcagggtcac cacttctgtc tgcgacgtct 120  
cttctcgtga ccaacgagtg aaactcatgg aaactgtttc ctctctctac caaggaaaac 180  
tcaacatcct cgtcaacaat gtgggaacgt caatattcaa gccgaccaca gagtatacag 240  
cagaagattn ctcttttgta atggctacaa atctcgagtc agctttccat ctctcacagc 300  
ttgcccaccc attgttaaaa gcctctggct cagggagcat cgtgctcata tcctctgctg 360  
ctggagtcgt gcatgtcaat gttggatcca tctatggagc aaccaaagga gccatgaatc 420  
agctggctag aaacttagct tgcgaatggg cgaacgacaa cataaggacg aactctgttt 480  
gtccttggtg tatcacaact ccttttaaagt nacg 514

<210> 17585

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-012-Q1-E1-H6

<400> 17585

aagacgacag aagggggcca aaactgaata aagaaaaggt ttacacaaat cttanaatat 60  
ctgacgcata tataggcgag attgctgacg ataagctttt tcgttttggt tccatgggtt 120  
tgtgacgaag aagagaaaaa aaataagaag tcagtttttt ctcaatggct tctcatagct 180  
attcaacact taggtttagt ctctttcaag agctaagaag caacgagatc atcaagacaa 240  
gccgggctta tctggtgaat cctggaggaa gaaaatatga gatattaccg gagagctcct 300  
ttaacctgaa atcacaactc ttggagccat tgaaaccttt ttcttctttt agtaagtcta 360  
accacttttt ggagtttgat tcaacatga tgaagcatag actcatggat gttcaagaaa 420  
ctggaccan 429

<210> 17586

<211> 319

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-013-Q1-E1-A1

<400> 17586

cgtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg 60  
gctgcgagaa gacgacagaa gggtagcggt gcgagaagac gacagaagga tacggctgcg 120  
agaagacgac agaaggatac ggctgcgaga agacgacaga agggtagcgc tgcgagaaga 180  
cgacagaagg gtacggctgc gagaagacga cagaangta cggctgcgag aagacgacag 240  
aangatacgg ctgccagaag acgacagaag ggaccttnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnncggcc 319

<210> 17587  
<211> 487  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-013-Q1-E1-A6

<400> 17587

tancagtccg gacatcccgg gtggnccac gcgtccgtac aagctgcgag aagacgacag 60  
aaggggatct cactttgttc atctaaaaac tcctcctttc atttccaaac aaaaacttct 120  
ttttattctc acatcttaaa gatctctctc atggcgatgt ctttctcagg agctgttctc 180  
actggtatgg cttcttcttt ccacagcgga gccaaagcaga gcagcttcgg cgctgtcaga 240  
gtcggccaga aaactcagtt cgtcgtcgtt tctcaacgca agaagtcgtt gatctacgcc 300  
gctaaagggtg acggcaacat cctcgatgac ctcaacgagg ccacaaagaa agcttcagat 360  
ttcgtgacgg ataaaacaaa agaggcatta gcagatggtg aagaaagcga aagactacgt 420  
tggtgaaaaa aacagtgaaa ccgcagatac attgggtaaa gaagctgaga aagctgcggc 480  
gtatgtg 487

<210> 17588  
<211> 408  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-013-Q1-E1-B6

<400> 17588

ctgcgagaag acgacagaag ggtacggctg cnagaagacg acagaagggg acggctgcga 60

gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac 120

gacagaagggg tacggctgcg agaagacgac agaagggana atcagagaag ggtgggaaga 180

aggaaaattt catcagaacc agattacatg cctttgtgga gtatgaaacg gtggaggcag 240

ctgaaaaagc ggcagctaca ttgaataatg agcaagactg gganaaatgg gtttccgaag 300

tttaagcttc ttgaaacaaa gcanccaang aaagttttgc acanaagaan gaccagctcn 360

gganggaagt caattaaaga nnaggacact acaggcanaa ttcattgat 408

<210> 17589

<211> 517

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-013-Q1-E1-C1

<400> 17589

aactggtttc gcctctccta cggccccgga aaatccana gtcgaccac gcctccgtac 60

ngctgcgaag aagacgacag aaggggtacgg ctgcgagaag acgacagaag gggacaccga 120

gaaaggcaat ggagtcggct aaatcaatca tcgggtggcca ccaaaatgtc atcctgatgc 180

gtcatggtga tcgactcgac aatttcgagc cactctggac ttcaacagct gcgagaccgt 240

gggatccacc gcttgtcaa gacggtaagg atcgggcctt tagaactggt cagagaatcc 300

ggtctcaact tggggttccg attcaccgtg tcttcgtctc ccttttcctc cgctgcatcc 360

aaaccgcttc cgaagtcntt gccgccctct cagccgtcga tttcgattcc attgctatgt 420

catctaaaag acgtgctttc catcggaat actaagatna aagtggctaa ttgaattttg 480

gattgtccca agataccgca cccaatcctt tattaag 517

<210> 17590

<211> 468

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-013-Q1-E1-C2



<400> 17590

gcgtccgtac agnngnnaga anacgacnna angggaangc aatncatttt acctaagaga 60  
acagaaanaa gacacttagc aggtgaaaca atgtcgttta gaaaagtaga gaagaaacca 120  
actgaaatgg gccgaaacat gaccacgag aagtcggact ctgattcgga caacgaagga 180  
gcccccatga ctgttgagg ttacactgaa ttcgttgccc gcagcgactc tgactgggac 240  
gaaccggttt attctggcaa agcccgttct aattataacc tcaccggcac cgcaaaaanga 300  
actgggtccc atcaatanct tcagccgcaa acacttcctt aattactaat catatgggca 360  
atgctacgtt aaagtngaga aacgaanaca ttcaggctca ctaanctagt tnaataatgc 420  
ccatatnaat ttatgttcta agttctgaat gttatnaatt aagaatcc 468

<210> 17591

<211> 504

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-013-Q1-E1-C5

<400> 17591

tactgtcccc ctggccctac cantccggaa ttcgcnngtc gaccacgcg tccgcccacg 60  
cgtccggctg cgagaagacg acagaagggg aaggaaaaat agaaacaaaa aatggggaat 120  
tgtttaaggc atgaatcaga aatgcattgg gctggtgaag actgggatga attcatcaca 180  
gaagatgaag aagatcatca ttatagctct aaaaccacaa gagatggcaa accagtaatt 240  
gtaacacgtg acagtaaate ctctgttcca tctcatgaga tcaagatcag gctcacgaag 300  
aagcaactcc atgatttact gagtaaagtc aacgtccatg acttgacctt ccagcaacaa 360  
acctttctcat gtccaatcct gaacaatcgc gggtagaag aagtcaatca acaacgggta 420  
tggagaccgg ttctacagag cataccagaa gtttaactgag ttttgttttc agagatggcc 480  
atgtttgtat atgcctaagg ctcc 504

<210> 17592

<211> 503

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-013-Q1-E1-C7

<400> 17592

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cgagaagacg acagaaggggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa 120  
gacgacagaa ggggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 180  
agaaggggagg tgaaagaacg aatctgtgga agaaggggtt gtgaaatgga gtccagttag 240  
gatgtggaga atctgagtag agctattgag aagcttcttc atgagaagag gaagagagaa 300  
gcttctggtg acgccttcat tgaagacgct gatgatcagc ttttctctc tagccttacc 360  
tctcagttgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420  
nnnnnnnnnn nnnnnnnnnn nnnttcttca ccatccaaag gaaaaagcga nggccaanaga 480  
caattggaag aaagtataga aga 503

<210> 17593  
<211> 505  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-013-Q1-E1-D6

<400> 17593

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gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa gggcaggcgt gttgaaaatg 120  
atgtatctga tgtgaatata agacaaatag aagcagatga gatactggcc cgtgaattac 180  
aagaacagct gtaccgagaa gagtcgttga tcagacacga gcagatcgat gaaatcatag 240  
ccaggctgat ggaacaagaa gagaattctc tccgggcttc ttctagtcgt gcttctactc 300  
gtattacccg aagctctaata accatcgag caaatccacg tgggagaagt cgcttgggaag 360  
cacgactgca acaacattct tcaagggagg cgattcaatc ctccacaggc ccgtgctccc 420  
tgttaagagc accagcacgg ggtcnaggtt atcgtttang cggtgcatct gcttctactc 480  
gtncactct gaanttcaat tttcc 505

<210> 17594

<211> 462  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-013-Q1-E1-E2

<400> 17594

gcgtccgacg gntgcgagaa gacgacagaa ggggatttct gaaattaagt gaatctgaag 60  
gtgaaagcaa agccggagga agaaataaga atcacagagg taaaattgtg atggagctcg 120  
aagatccaac aatggcagat tccacgatta agctaacagt caaattcgga ggcaaatcaa 180  
taccactttc ggtatcacca gattgtacag tcaaagatct taagtctcag ttacaaccaa 240  
tcaccaacgt tcttctctcg ggccagaagc tcattcttcaa aggttttggg tgaaacgctg 300  
actttgaaac aatctgatgt ggggaagtga gctaaactca tgttaatggc ttctcaaggt 360  
ctgcatcaan gggaangtcc aatacttaan gaagctagta taanggcaat ctctaaaact 420  
gttgtatctg ataaagtaga tnagagaaag cctaattgtac tt 462

<210> 17595  
<211> 436  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-013-Q1-E1-E8

<400> 17595

tggantaccg gtccggcgcn tcccgggtcg cccacgcgtc cgtacaagct gcgagaagac 60  
gacggaaggg tacggctgcy agaagacgac agaagggtac ggctgcyaga agacgacaga 120  
aggggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg 180  
cggctgcyag aagacgacag aagggtacgg ctgcyagaag acgacagaag ggtacggctg 240  
cgagaagacg acagaagggt acggctgcga aagacgacag aagggtacgg ctgcyagaag 300  
acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 360  
gaanggtacg gctgcyacaa gacgacagaa gggccctccg taacaaaaaa aaannnnnnn 420  
aaaaaaaaaa aatcgg 436

<210> 17596

<211> 453  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-013-Q1-E1-F5

<400> 17596

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cttggttggtg aagattctat cgatcccggg cagatttaca tgattcaagg cgtattagct 120  
atgctgccgt caacgactcc tgatggagaa ttaatgagaa atgggggaga aaagaaaacc 180  
at ttggattg tagaagaaga aggaaagctc tccaataaag cctcgacttc aagaaatttt 240  
tgtctcagcc cggttgatcc ggttgagtat cagtcggatt agtatgtccg ttttaggctt 300  
aggaccgaaa tagtgaaagc agaggagtca aaacccttct gaagttgcgc ttttggcgta 360  
gatgctatta ggacatgttc tacactcgga tcatgaggga ctaatagctt ggaattggat 420  
tggatctcan gatangattt gattttcttt gtg 453

<210> 17597  
<211> 446  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-012-Q1-E1-D4

<400> 17597

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnntc aatttcccaa aattggagaa accaacaggc 180  
aagaaacaga cagcgacggt tgttgtggga gtgttggcgg tgggatggct ggcgatagag 240  
ctcgtgttta agccattggt caagaagctg agctcctcca aggacaaatc cgattccgac 300  
gatgccaccg tccctcccc gtcgggccc tgaatatggt gagtgaggat ttaacaaagc 360  
ctctgcgggg aagacacgtg tgttgaagct cattttatta gcanatcctt gtgggttcntt 420  
ttgtaataac cgttcggac ntttac 446

<210> 17598

<211> 388  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-012-Q1-E1-D5

<400> 17598

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anagattaaa gccatgcatg ttgtaaagta tgaacgaatt cagactgtgg aactgcgaat 120  
ggctcattaa atcagttata gtttgtttga tggtaactac tactcggata accgtagtaa 180  
ttctagagct aatacgtgca acaaaccccg acttatggaa gggacgcatt tattagataa 240  
aangtcgacg cgggctctgc ccgttgctct gatgattcat gataactcga cggatngcaa 300  
ggcctctgtc cggcgaagca tcnttcanat ttctgccaat gcntttggat ggggcatnca 360  
tgttcanctc ccaaaancac atgggaac 388

<210> 17599  
<211> 455  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-012-Q1-E1-D6

<400> 17599

ccggggacna ccggaacgga tnatcccggc tcgaccacg cgtccantac ggctgcgaga 60  
agacgacaga agggggaatc tcacacaccg aaagttattt tcgaatccac taacgaatct 120  
tccacagcaa acacttttgt gttcctctgt aatttctcag tatatataga taccaaaaaca 180  
agcagtgaag aatggctatg gcgagtttat atcggcgatc tcttccttct cctccggcca 240  
ttgacttttc ttccgccgaa ggcaagctaa tcttcaatga agcgcttcag aaaggaacta 300  
tggaaggatt tttcaggttg atttcgtatt ttcagacaca atccgaacct gcgtattgtg 360  
gtttggctag tctctcantg gtgttgaatg ctctttctnt cgattcctgg aagttacatg 420  
gaaaggggcc ttgggacgtg ggtttgatnc aatcc 455

<210> 17600  
<211> 496  
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-012-Q1-E1-C5

<400> 17600

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aattcacctc ttacacttgt agcttgtgct tcattccaatt ctttgcagcg attaaaacac 180

acaaaaagtt tgcatatgaa ttgctgactc tgaatttctc aaaaagataa gggcattgct 240

tcattgatat ggttaagaaa tgtagttgc gtatcctgcg ggaactatca acanattcca 300

aatccctatt agctgctatg ccgctttgcg cagattcaag acctcgctt ttggctcctc 360

gattaagttg ttctgtctcc caagatcaat agttccttgt ngcaaagtga gaantgtan 420

cattcanctt tttccacaaa atnnccaaat ttcaaaccctc cgaaaggaaa atgggacggt 480

tgggtaactc anggcc 496

<210> 17601

<211> 511

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-012-Q1-E1-D8

<400> 17601

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tgcgagaaga cgacagaagg gggaagcttt gaggaggcaa tcggagttat ctgagttaga 120

aaaacagtct ttaaggaaac aagccataaa agagagtaaa cggatacagg aactgtctaa 180

ggaagttagt tgtctcaagg gtgaacgtga tggagctatg gaagagtgtg agaagctcag 240

gttgcagaat agtagagatg aggctgatgc tgaaagcaga ttgagatgca tcagcgaaga 300

ttcgagtaat atgattgagg agattanaga tgaactgagt tgtgagaagg atttgacgag 360

taaccttaan ttgcagttgc agaggacaca agagtcaaac tctaatttga ttcttgctgt 420

gagggatctc aatgagatgt tggggcacia gaacaatgag atatccttcn cnggantagc 480

cttattagca ggaggctaag aaaccttgaa n 511

<210> 17602  
 <211> 422  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-E10  
  
 <400> 17602

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cgtcggaaca gtcgtacaag cgcagctgat acctccggcg aggcgtgatg gattttttgta  120
tccaccgggt cggaaaatcg accgggatat gatacttata gaggcgtata ttgaccgggt  180
ttgtccggat tgtagagacg cttgggagcc gctaaagcta gcgattgata actatggata  240
tcgcgttget cttgttcttc acctcattcc ttacccttc catgacaatg catttgtagc  300
atctcgggct ttacacatcg ttgatacctt aaacgccaat gccacgttca atttgctgga  360
anggatctca agcatcagac aattgttcac aactcgcaaa cacaactcat gtnaaaaact  420
gc                                                                    422
  
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<210> 17603  
 <211> 493  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-E11  
  
 <400> 17603

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agaagacgac agaangggat ttgcgctgta cgtgcanatg cctcngatgg tatcctctgc  120
ancgttcttg gacaaaacgc tgttcatggt gcgtttgctg gatacagtgg aatcacggta  180
ggcataatca nactcacta tgcataattg ccaatcactg aggtaattgc atatccaaaa  240
tcagtggatc ctaatagtcg aatgtggcat cgttgcttga catcaacggg ccaaccgat  300
ttcatctaaa aagatattat tattcaatca cgaancaanc tgatgataaa aataagcctt  360
gaaatgtata gacagtagca ttcttggnct cttgttatga tgtatcaant catattatct  420
aattaanttt agtacgaaan gcaaacanta aaacttatgg taatacnaaa anngccgtct  480
  
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aaagattcaa act

493

<210> 17604  
<211> 424  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-012-Q1-E1-E12  
  
<400> 17604

ggctgcgaaa cgacagaagg ggatcgatca aagtcttgaa tatttcatct atatatacct 60  
aagaaagaaa agagttaaag aagtatattt tcgattcaaa gaagaaaaat gaattctcac 120  
cagaatcaaa ccggagtgc aaagaaggga ataacggaga aaatcatgga gaagctacca 180  
ggatcatcatg gacctactaa cactggtggt gttcaccacg agaagaaagg gatgacggag 240  
aaagttatgg agcagctgcc aggtcatcat ggtgctactg gtaccggtgg tgttcaccac 300  
gagaagaaag gaatgacgga aaaagttatg gagcagctgc caggatcatca tggatcacac 360  
caaactggga ncaacacaac ttatggtact actaacacta gtggtgttca ccacgagaaa 420  
aaaa 424

<210> 17605  
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<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-012-Q1-E1-E4  
  
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ataagttagc cgctatcgat ctagtcatgt tgagcatggt accgacatgt ttcaggctta 180  
accatatgga gaagggatga taacgagatc tctctagacg tggatgggat tttcggttca 240  
aagatggaat attcatataa attcacatgc ggattatagt taaatcggaa taaagttttg 300  
ataagtggac tctccttacc taagtgggga tggtagtcca gtcttgtatc aatatatata 360  
tttgggctaa cttaacatgc atatagaatc attatcantg tgttagaata ttcccaccta 420



aggtttcgnt catcccaatt cccannatta ctctgaaagg ggtccaaaaa gggaantcca 480  
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<210> 17606  
 <211> 462  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-F3  
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 agatttatta tgggtcccga acaaattcca gaggtttccg ctcatatcat gcagtgatag 180  
 tatccagtat tgagatctat aaaggagaag tgggtggccat ctgtaagatg agcaatggta 240  
 ctaaagtttg tgacgaagga tatgttaggg tttctctagc gacaacatac atggttgtgg 300  
 gtgccagtcc taaaaaaaga acatgttcgg gctacttcta agccgatgca tcttctctct 360  
 gaattcatca tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngattancc ag 462

<210> 17607  
 <211> 469  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-F6  
 <400> 17607

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 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 120  
 acagaagggg acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 180  
 gggtagcggt gcgagaagac gacagaaggg tacggctgcy agaagacgac agaagggtaa 240  
 ggcaccagcg gcagaagaaa caacatctgt taaggaagac aagtgaagac tctgttctag 300  
 agatgatgaa gaagagacag caaatcagg agacaagaag gatgatgccg ttaangagga 360

aggccaagcg agcaagagac gtcggagcgg cggctactac ttaggtttca gtttttgaaa 420  
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<210> 17608  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-G1  
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 atgcaagaag acgacagaag ggtacggctc cgagaagacg acagaaggga cactattnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 ggggccgcnc tanaggatcc aagcttacgt acgcgtgcat ggcacgtcat accncttcta 240  
 tagtgtcacc taaattcaat tcaactggccg tcgttttana acgtcgtgac tgggaaaacc 300  
 ctggngttac ccaacttaat cgccttgcat canatcccc tttcgccagc tggcgtaata 360  
 ncgaanaggc ccgcaccgnt ngcccttccc aacagttgag cagcctgaat ggcgaaatgg 419

<210> 17609  
 <211> 210  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-G7  
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 ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt cttgnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnngcggcc 210

<210> 17610  
 <211> 495  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-012-Q1-E1-G9

<400> 17610

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cctcaactac cgatgccaat agaaaacaac tacagagctt gcacaattcc ttacagattt 180  
ccttctgatg atcccaagaa agccactcca aacgaaatct cgtggatcaa cgtcttcggcc 240  
aattccattc cttctttcaa gaaacgtgca gagagcgata tcactgttcc agatgctcct 300  
gctagagctg aaaaatttgc agaaagatat gctgggattc ttgaagactt gaagaaagat 360  
ccagagagtc atggcggacc accagatggc attcttctat gccgacttcg tgagcaagta 420  
ctcagagagt taggatttag ggacatatc aagaaagtta aggatganga gaatgcaaag 480  
gntatatcac taatt 495

<210> 17611  
<211> 299  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-012-Q1-E1-H1

<400> 17611

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tgcaagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120  
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg caagaagacg 180  
acagaaggggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 240  
gggtatgtaa aaaaaaataa acnntgnaaa aaaaaatnaa aacncgaaaa naagcggcc 299

<210> 17612  
<211> 463  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-H4

<400> 17612

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 ggggatgaag ggaataactc tagagacagg gacanaagta ctactcagc aactgttggt 180  
 gacgatctaa agtatcgttt gatggatact accaaagagt ttaaggatgt tcttaccatg 240  
 agaaccgaga atatgaaggt ccatgaaagt agaaggcaac tcttctcttc aaatgcttca 300  
 aaagatcaac aaacccatcc ttcgcaacgt cctttgggtgc naaggtgctc cantgaactg 360  
 ttctctcca tggcaatggg tctctcatct cactcattat ccatggaacc ggagaggaga 420  
 tctcacantg tgnnnnnnnn nnnnnnnnnn nnnnnnnna ttg 463

<210> 17613  
 <211> 429  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-H6  
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 aaaagtccag ggtcatttgg atgttgagtt aaatgatgca ggaagacaac aagcaciaag 180  
 agttgcagag cggttatcga aggagcagaa gatatctcat gtatactctt ctgacttgaa 240  
 gagagccttt gagactgctc agatcattgc tgctaaatgc ggcaaagctt gaggtgctta 300  
 ccgattgtga tttgcgggaa agacatttaa gagatatgca aggacttggt tatcaaagaa 360  
 gcntccgaaa atttcgcccc ggaagcttac aaaggctttt tcctcctaaa ccgcacaaga 420  
 cgttgatat 429

<210> 17614  
 <211> 451  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-H7  
 <400> 17614

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 nnnnnnnnnn nnnccggagaa gccataagaa cattgttagg ctacttaaag gtaagccctt 180  
 taggaaacca gatattctccg caacgattca ggaggatttg gatagtatga gagctagtgg 240  
 taaaaatggg attgttggtg atgttgagac taatgttggt atggctagct ttgctgctgc 300  
 ggttatgggg tttaaagtcc ttgcctttga agcctgtttt tgagaattta cagangattt 360  
 tgtgatggga tttgggttaa tanagtgtct cttgggtactg tgtttgaaac tgctgcttct 420  
 gacagaacaa gggatatacc ttccataagt t 451

<210> 17615  
 <211> 456  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-H3  
 <400> 17615

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 ctgctcttgt tctctttgct gctttcgacg caccggcaat ggtggaagca cagaagttgt 180  
 gcgagaagcc aagtgggaca tggtcagggg tttgcggaaa cagtaatgca tgcaagaatc 240  
 agtgcattaa cttgannga gccanacatg gatcatgcaa ctatgtcttc ccagcacaca 300  
 agtgtatctg ttacgtccca tggtaaatct ancaataatc cttggtgcaa atcctgtgta 360  
 tttacatana ataagtctct gtcactctat gagtaacttt atgacatgca tattttctgtt 420  
 ttaatgttta atttcccggt gttgttacia taataa 456

<210> 17616  
 <211> 429  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-H8  
 <400> 17616

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 cggctaaagg agacagagan aaagttaaca agagcttcaa actctgttgt atctaacaaa 180  
 ggatgcaaaa gaagcagctg aggatggttt aaaggctgca aacgggaaaa ctgaagcgat 240  
 tgaatcaaga cttaaagatg tcgaagcaga agcggaatct ttgatcttga aaatcaaadc 300  
 actggaagac gtcacagaga aggaacgtgc tttatcagca agacacaatt caaaagtgc 360  
 acgaactgca agatgagatt tcaanactaa aacaagaact ccgagcatca tcangaaaca 420  
 gatcctgcg 429

<210> 17617  
 <211> 454  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-A10  
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 cgtcgacaag tatggagctg actcagacat tgcgagaaga aacgtgcatg gaagacgctg 120  
 tgggtgtgtac tcgtagtctt ttaaacggca accgttggtat atgctttcac gtttaaagga 180  
 aatagcgtgg cggagctgac tcagacatat gatatgaacc gtataagaag atagtaagag 240  
 ttggtagtgtg gtacaagact cgttgttaca tagattgaaa aaaggcgtcg gcacatgaac 300  
 cttgcttaat ctatagacta tttgtaagag ttttgataat aggaaggact tataaattat 360  
 tttttggggg aatataatac aagtttggtt ttgtaaataa gcgatttctt tgtaaacgaa 420  
 catttggatt ttgggggtta tttgtgtgag catg 454

<210> 17618  
 <211> 513  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-A2  
 <400> 17618

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 cggctaaagg agacagagan aaagttaaca agagcttcaa actctgttgt atctaacaaa 180  
 ggatgcaaaa gaagcagctg aggatggttt aaaggctgca aacgggaaaa ctgaagcgat 240  
 tgaatcaaga cttaaagatg tcgaagcaga ageggaatct ttgatcttga aaatcaaata 300  
 actggaagac gtcacagaga aggaacgtgc tttatcagca agacacaatt caaaagtgc 360  
 acgaactgca agatgagatt tcaanactaa aacaagaact ccgagcatca tcangaaaca 420  
 gatcctgcg 429

<210> 17617  
 <211> 454  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-A10

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 tgggtgtgtac tcgtagtcct ttaaaccggca accgttggat atgctttcac gtttaaagga 180  
 aatagcgtgg cggagctgac tcagacatat gatatgaacc gtataagaag atagtaagag 240  
 ttggtagttg gtacaagact cgttgttaca tagattgaaa aaaggcgtcg gcacatgaac 300  
 cttgcttaat ctatagacta tttgtaagag ttttgataat aggaaggact tataaattat 360  
 tttttggggg aatataatac aagtttgttt ttgtaaataa gcgatttctt tgtaaacgaa 420  
 catttgatt ttgggggtta tttgtgtgag catg 454

<210> 17618  
 <211> 513  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-A2

<400> 17618

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 gaaccatata catagatgag atggctggcg gatcattcac cgtttcaa at ggcggtgtct 180  
 atggaagtct cataagcact ccgatcatta atcctcctca gtctgccata ctcggcacgc 240  
 actcgattgt gtcattgtca atggtagtag gaggaagcgt agtgcctaga ccaatgatgt 300  
 atgtcgact .tacgtatgat cacaggctga ttgatgggta gaaaggctgt gtacttcctg 360  
 cgccgtgtna anggatnttt gttggaggat ccaccaaagg cntcttcttg acntcccgna 420  
 agaattttgg ttttcnaagg agtcccnaaa ntgtccgggc ttttgnacgt taataaacct 480  
 tgcagtgtcc ttaaaaacgt ttggggggtn aca 513

<210> 17619  
 <211> 388  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-A3  
 <400> 17619

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 aggaaggaaa gtgccttctt ttgagaatgt tcagatatac aatgtgatca gttcgattct 180  
 aggacttaag gcagcaccaa acaatggatc tgatgagctt tcttcaagca ttctcttgcc 240  
 acgcgtgtag aagggtangg taagtttatt cttctgtcga taaaaggcag tctagactct 300  
 tgagaccttg ttgtcaaac ataaacgcgt ttgacctctt aanacgtttt aagccgtttt 360  
 gatcggattg cggtttttgn atgattcc 388

<210> 17620  
 <211> 391  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-A9  
 <400> 17620



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 gacaaaccaa gggttttcga agcaatgttt ccggataaac ccaaaaacta taggcttaat 180  
 gaggaagaat ggagaatcca aatgttacca ataaaatttt tcttcctcac tgcgtgtcca 240  
 gtggtggtca tgcggattag atgcaaatec aacgggtcagg attaccatc agacgtacct 300  
 ctacacataa ccaaagttct tgagctcaac atgacgaaat gggagctcaa gggcttgacc 360  
 gantaatgga acaactgatt cacccttggg t 391

<210> 17621  
 <211> 498  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-B3  
 <400> 17621

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 tgctaaaatc acagtccgtc atcatgcagt tgataaaact taccagtcag gctctctttt 180  
 cccaaaccag ggtattttac cagtagaggc tttggttcta gatattgaag catggggggt 240  
 aggtggaaac aaggctaggg aaattcaaca aaaataccag aaaagagaag agctttttcac 300  
 taaccaacgt cgaaagatcg acttgaaaac gtttacgaac tgggaagatt cacctgagaa 360  
 aatgatgatg gatatgatgg gtaatcctaa tgctcctaaa aaaggnaga gaggtaattg 420  
 anngaangac canaactggg ttggnnnatt tncncata nccgttggtt gtccctnaa 480  
 aattttttgg ccangaaa 498

<210> 17622  
 <211> 463  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-B4  
 <400> 17622

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 catcaataca ttcaagaaca tcaaaccggt gctgggttacc ctgtttctca aggaagacct 360  
 gcaagacaaa accgtcttcc ttgttgtggt cttggcctcc ggttgggtcc tgttcatcaa 420  
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<210> 17623  
 <211> 376  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-B8  
  
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 ccacagagga ttcggaatg gntgagtcn aggtttagt tccagagtcg gtgttgaana 180  
 agangaagag agaggaggaa tgggctttgg agaanaagca gantgttgaa gccgccaaga 240  
 agaagaacgc cgagaacagg aagcttatct tcaaaagagc cgagcactac tccanggaat 300  
 atgccganaa gganaangag ttatctcgtn gaaaccaag gccngcttaa gggaagtttc 360  
 tatgttgacc ctngaa 376

<210> 17624  
 <211> 479  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-C1  
  
 <400> 17624

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cagaaggggg actttgatgc atccgtacga aaatggagct ctgcaccagg tctaccacaa 120  
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 atagaatctc acttcctctc cagcgaaaacg ttgctgtctct cgttcttcaa tcccgcacgt 240  
 tgcgtttag tagaaagttt ccaggagaaa cagttactga agaaacatca acaggagtca 300  
 atgagtttgg tgtggaggat cgtgatggag tagttgttgc agccgaagag aaaaactcga 360  
 atagtgaagc tctcaagct gangatgagg aaactcaagc cctagagttt ttgaacgata 420  
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<210> 17625  
 <211> 504  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-C10

<400> 17625

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 tcgtcgggaa acagcttcta ctcgagaact atcctctcgg aaaatctctc aaaaatcctt 180  
 acctccgtgc tttatccacc aaacttaacg gcgggtctccg ttccataacc gtcgttctaa 240  
 cggcgaaaga tgttaccgtc gaaagattct gtatgagccg gtgcgggact cacggatcct 300  
 ccggttcgaa tccccgtcgc gcagctaacg gcgcggctta cgtatgggtc gggaactccg 360  
 agacgcagtg ccctggatat tgcgcgtggc cgtttcacca gccgatttac ggaccacaaa 420  
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<210> 17626  
 <211> 495  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-C2

<400> 17626

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gcgacacagc tacgccacca aatcgaacca gcaccgtatc gtcaagactc caggaggtaa 180  
attggtgtat caaaccacaa agaagagagc tagtggcccc aaatgtcctg ttactggcaa 240  
gcgtattcaa ggaatccctc acttgaggcc ctctgagtac aanaggtaa gattatcaag 300  
aaacaggagg actgtaaacc gagcatacgg tggagtcttg tctggttctg cagtcaggga 360  
aaggatcatt cgggcattcc ttgtcgaaga gcanaanatt gtgaagaaan tgtttgaaac 420  
tcccaaaagg gctaaaggn aanntannc ccccaaaggc ttaaagcttt aagggtttat 480  
ccttcnccgt tttgg 495

<210> 17627  
<211> 504  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-009-Q1-E1-H9  
<400> 17627

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aatccaaata agctgtggat gaaacgaaga atcctagatt tctgaatggc gacaccatth 180  
atagcggggg ttgcagtagc tgcaacagca cttgctggta gatatggaat ccaagcatgg 240  
caagcattca aggcaaggcc accaaggccc aaaattaaga aattttatga gggcggtttc 300  
cagcctacga tgacgaaaag ggaagctgct ctattcttg gcgtcaggga gagtgtagcg 360  
gcggaaaagg tgaaggaagc acacaggaag gtaatagtag caaacatcc agatgcangt 420  
ggtagcattt cctaacctct aagatcaatg aagctaaaga cntatgctan gcaaaactaa 480  
aaacagcgga ttcgcttttt gatg 504

<210> 17628  
<211> 505  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-010-Q1-E1-B3

<400> 17628

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gaaggggtacg gctgcgagaa gacgacagaa ggggtacgag cgtcttctga ttcgtcagga 120  
atcgacgaga tttggggatt tgaagatcac gtgtcgaatt acggtggttt agatttttgt 180  
tccggcgctg gagatgggtg agattacgtg gctgttgagg ggttgtttga attttccgac 240  
gattgttttg acttcggcga tctgttttcg tggcggtcgg agtcgttacc ggcggaataa 300  
ataaataaca aacttttttt ttaattaggt gggaaatgaa aacgatatcg ttttgtaaaa 360  
gcgtttgggt ctccctcgtt ttttttttta acccgatggg taatatctat taactaaaat 420  
tattaggatt taagaaaagt taaatatttt gtaanggtaa tttgctagat tagtattaac 480  
gaaattcgtt tgttggctct ccaan 505

<210> 17629  
<211> 445  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-010-Q1-E1-B6

<400> 17629

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gcattcctcc ggatcagcag aggcctattt tcgccggcaa gcagctagag gatggccgta 120  
cgttggetga ttacaatatc cagaaggaat ccgccctcca cttggtcctc aggtcccggtg 180  
gtggatatgca gattttcgtt aaaaccctaa cgggaaagac gattactctt gaggtgggga 240  
gttctgacac catcgacaac gtcaaggcca agatccaaga caaagagggt attcctccgg 300  
accagcagag gctgatcttc gccggaaagc aattggagga tggcagaact cttgctgact 360  
acaatatcca gaangagtcc aaccttcac tttgttctcaa ggctccgttg tgggtatgca 420  
gattttccgt taanacgttg actgg 445

<210> 17630  
<211> 227  
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-009-Q1-E1-H4

<400> 17630

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gacgacagaa gggtagcggt gcgagaagac gacagaaggg tacggctgcg agaagacgac 120

agaagggtag ggctgcgaga agacgacaga agggtagcgc tgcgagaaga cgacagaagg 180

gagatttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngcggcc 227

<210> 17631

<211> 469

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-010-Q1-E1-B8

<400> 17631

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ttccaattca tataatcaaa cctctctcca ttccttcact ctccgcaatt ctcggttccaa 180

ttttgagttc caccggttac gattagatgt ggagtctcga agaagaagca cttcttttacg 240

gtccaattgc tccaccaaag gtacagattc aggtgaaaat gagaacaaaa gtgtggttaga 300

tgctttcttt ttggggaaaag cattagctga gggttatcaat gagagaattg agtctactgt 360

tggagaagtg ttgagtacta ttgggaaagt ttcaaagctg agcaacagaa acaagttcaa 420

gagattctgg aagaagttct tgaaagagct aaagaaaagc taaggaaag 469

<210> 17632

<211> 466

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-010-Q1-E1-C3

<400> 17632

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tacggctgcg agaagacgac agaaggggag ttccctccgt tgcttggaaat caacactgga 120  
catggaaaac acaaatactc agacaaaggt ctagcagctg ttttcgagtc tcacttgaag 180  
gagctaaatg ctccctttcca tgaagccccca gataagggtg gctgggttttt gactaccagt 240  
gttgcggaag aggcattggtt ggagtctaga cgctcagctg gaggagtttc tgcgtagccc 300  
ttgtaattgg tatgtagctt tgatattgtc tatgtggctt cgagctttct ccactattta 360  
gttttctttc tcttgatacc ggatactgga tnangaaaga ttttgtaatg ctagcaaact 420  
cgggttatac acattttgaa acaatttana gaactgatta agttcc 466

<210> 17633  
<211> 516  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-010-Q1-E1-C4

<400> 17633

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gacgacagaa gggggaggaa gagaaaacaa acctttaact gaagaaagag tttgagtatg 180  
gcagcgtcga ccataggtag aggttcatcg gaggataagc cggggaaaag aacatctccg 240  
gtgactggca agcccacaag attccccaac tgaatcatcg ataccgccg tatagcaacg 300  
tatgtaatcc cggcgatgtc atggatcttt atactcccgt tgcaatttgc ggtgttgcac 360  
gaactccaag aatcggtaaa taaaggagtc gatatcatta ccgaagcttg caactcactc 420  
gtctcgaatc gacaatcgtc catgattgga tatcgagtag agagttgcag aacgatgatg 480  
tttatgaagt tgtaatatata ttacaagcaa aaagaa 516

<210> 17634  
<211> 183  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-010-Q1-E1-C5

<400> 17634

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngcg 180  
 gcc 183

<210> 17635  
 <211> 437  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-010-Q1-E1-C7  
 <400> 17635

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 tgtcgaaga tttcacgacg attcttcaat cttatccga accggagaaa tcatgtcgga 120  
 cgctttgatc aatggattgg ctggagctgg tgggtgggac attgctcagc ttctcactta 180  
 tcctcttcaa actgtaaata cgcgccaaca gacggagcgg gatctgaaga gggagaagag 240  
 gaaacttga actatcgaac acatgtgtca ggttgtcaaa caagaaggat gggagaggtt 300  
 atatggtgga ttggcgccgt ctcttgctgg aacggctgca tcacaggggtg tgtactacta 360  
 cttctacca gttgttcgga atcgagctga agccacagct cttgcacgga agaanaaagg 420  
 tttgggtgac ggattan 437

<210> 17636  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-010-Q1-E1-D4  
 <400> 17636

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 gatagaagct gctccaccaa cagctgagct tgagccatt cgttctgact attctcagct 120  
 cgatgaagtc nacatgggaa tgacatatna agagctttca gtctatggaa ggatgaggaa 180  
 gatattccgt tgtggaccag tatctatgtt caagaatcta tgttacaagt ggggaacaaa 240



gctaagccca gcagaagtag ctgagaaagt gaagtatttc ttcaaattatt attcgatnaa 300  
 tcgacacaaa atgactgtcc tcacaccgtc ttatcacgct gagagttact cccagagga 360  
 caacagattc gatctgaagc aatttctgta caacagcaag tgggcatacc agttttaag 419

<210> 17637  
 <211> 441  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-010-Q1-E1-D5  
 <400> 17637

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 gatctcttcc accgtcaaac caccactgtc tccgccggtc acaccgattc tcaaacagaa 180  
 gctacacaga acaggaacac ctaaatgggt cccgttaaaa ctaaccaca cggagctgac 240  
 gttgccgtta acttttccga cgggtcaaac attccgggtg aagagaactg gagcgattca 300  
 gtatagcgga acgattgggc ctacttagt ctctcttaga caacgtccag gagacgacgc 360  
 agtttctac tgcgtccatt gtagcacaag ccctaaatcc ggggagcttg cgttgctcga 420  
 ttttctcaat gctgagatct c 441

<210> 17638  
 <211> 512  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-010-Q1-E1-F2  
 <400> 17638

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 ttccttggct tcgtatcac catcttcttc ttcttcttca attcaatcta agttatcacc 180  
 atctttcatt cccaatgcgg cacctgcaaa ggcggtgagg ttgcgattca atggaaagtc 240  
 cctgagagca aaaccaatgg tatacagatc atctcgctcc gttggagtca cctgctctgc 300

ttcatcttct ctgacgactc ttcctctctgc tcttctcttc gattgcatg gcgttcttgt 360  
 tgataccgag aangacggtc acaggatctc cttcaacgac actttcaaag agagagattt 420  
 gaatgttacg cgggatgttg atttatacgg cgagttactt aaaatcngtg gtggtaaaga 480  
 aaggatgact gcgtatttta acaagggttg tt 512

<210> 17639  
 <211> 430  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-010-Q1-E1-F4  
 <400> 17639

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 ccatcatcag tgccagagtt tcggaacggt tgtgtcgtcg ccatttaaag gaaagaggag 180  
 atttgcaaga agcattagag ctttacaaga gactgaaggt ccaacgcaa gaagattgat 240  
 agacattata agatctgttc ctgaaatctc taggaattac ttcaagaagc cttcaagaag 300  
 aacgcttttt ggaggaatct cgttgntagg tggcttttat gtgcgcgaga ctatctctct 360  
 ctcgtttga gcattgggag tgaacgatgt tattgctgcg gttctatgcg tcctttgaca 420  
 gagtatgtga 430

<210> 17640  
 <211> 437  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-010-Q1-E1-F6  
 <400> 17640

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 aggacgtcac tacctacata catggattta tgtggaactc agatgctgcg cctctcatcg 180  
 cctcatttca aaacccttca tttggtgagg catgcacaag gaggccacaa tatagcatta 240  
 ggagagaagg gagagaaacc tgaatcagaa aagctttttg acgcccacct ttctccaaag 300

ggtttgcaac aggtttcgga aaggcgcaac caaatccttg aatcaggatt acttaacact 360  
gtcgagtttag tgataacctc tccgctgtgc agagcaatgg aaacttcaat aggaatattt 420  
aggggacaaa ggatatg 437

<210> 17641  
<211> 363  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-010-Q1-E1-F7  
<400> 17641

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aacgtccgcc cagcgtccg cccacgcgtc cgtagaagac gacagaaggg tacggctgcg 120  
agaagacgac agaagggtac ggctgctaga agacgacaga agggtagcgc tgcgagaaga 180  
cgacagaagg gtacggctgc gagaagacga cagaagggtg cggctgcgag aagacgacag 240  
aagggacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg 300  
cggctgcgag aagacgacag aaggggcctn nnnnnnnnnn nnnnnnnnnn nnnnnnngcg 360  
gcc 363

<210> 17642  
<211> 412  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-010-Q1-E1-F8  
<400> 17642

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acttcctga gaaccgctcg ctcatctgct cctctcgcaa agcgaataac aagtttctgg 180  
tggttgccca tagaggacac ggcatgaaca tgctgcagtt gccggatcta aggttctctg 240  
ctctcaagga gaactccatc ctctccttta atgccgcttc aaaattccct ctcgacttta 300  
tcgaattcga tggttcaggtc accagagatg gctgcccgaat catattccac gacgacttca 360

tctactccga ggaacatgga gtggtgtacg agaagagggt cacggangtt tg 412

<210> 17643  
<211> 549  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-009-Q1-E1-F1  
  
<400> 17643

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aaattggatt gaatcgctgc cggatattcc aagagtagag agcttagttt gtctcgcggt 180  
gcgtctagat ttactgaata tggaggcgga gaagtggaac agcgacggtg gtgaatacac 240  
gtcggaggac gaaggtacag aagattaccg acgcggcggt taccacgccg ttcggatcgg 300  
tgactcattc aaaaccggcc ggtacgttgt ccagagcaaa ctcggttggg gccatttctc 360  
tactgtttgg ctctcctggg atactcaatc ctctagatat gtggctttga aggtgcaaaa 420  
gagtgtcag cattatactg aagcagccat ggatgagata acaatattgc aacagattgc 480  
agaagggaga cactgatgat accaaatgtg ttgtgaaacc ttttggtgaa ttnaaacact 540  
caaggcggg 549

<210> 17644  
<211> 499  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<400> 17644

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ctcgttcaag cttcgtttgt cttcttcttc tgttactctc catgtgtttc gttccctgcg 180  
tcttttccaa atctcctcgt cctatctccg atgtggagat caggcagaag aagagcgaat 240  
gctacggtga tatagagagt gggttatggg gttggcaatg caaatcttct gcaatagcga 300

aagagaattg tgcgctgtga tgcctttctc cggtttgcta tcaactcatt tatgagagtg 360  
 atccgcttga agaaggtgaa aaagatttga ttaagagcca agagtacaaa gtattgtatg 420  
 tacaagccat cactcgggga aagcttagan ggtgttcgag gcaccccttg atggtatcaa 480  
 ataagacttt ctacgtgaa 499

<210> 17645  
 <211> 552  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 cgacagaagg ctacggctgc gagaagacga cagaagggga agtcattgagg atgagagaaa 180  
 tgataattct tctgttgtga tggagcttag tctcatcaag ctgcaatctt tttcgttccc 240  
 ttcttcagtt tcaagtgtga aggatgtgag gttcttaaac cttgatttga aatcctcaca 300  
 tcagagagct aagagatcat caactgttgt tcctgcttta gctgaaacag ctgtttctat 360  
 agcgattgca gccacggttg ttggtactgc agctactatt cttgttagga gaaataacaa 420  
 agcctccgaa gaaaccgagg cttctatgaa agaattgtgaa ncttgtcncn gntcangaat 480  
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<210> 17646  
 <211> 561  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 17646

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agagaagcag acagaacata actaaaatcg agaaaaatgg caaacagtgg tgaaggtaaa 180  
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 agccgtgact aactgtttaa ggctccgctc cgtgatccca gtgatccgaa aaagacacaa 300  
 cacttagttt cactagaagg tgcaaaggaa agacttcact tgttcaaagc agaccttttg 360  
 gaacaagggt ctttcgactc tgctattgat ggttgccatg gagttttcca cactgcttct 420  
 ccatttttta atgatgccaa agaccacag gctgaactta attgattctg cgggtcaaagg 480  
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<210> 17647  
 <211> 499  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 aacaggtcgt ttattccaag tggaatacgc catggaagca gtgaagcaag gatctgcagc 180  
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 ggtggattgn atgagtctg 499

<210> 17648  
 <211> 553  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-F7

<400> 17648

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aaacttcttt ttattctcac atcttaaaga tctcttcat ggcgatgtct ttctcaggag 180  
ctgttctcac tggatggct tcttctttcc acagcggagc caagcggagc agcttcggcg 240  
ctgtcagagt cggccagaaa actcagttcg tgcgcgtttc tcaacgcaag aagtcgttga 300  
tctacgcgc taaaggtgac ggcaacatcc tccgatgacct caacgaggcc acaaagaaag 360  
cttcagatct cgtgacggat aaaacaaaag aggcattagc agatggtgag aaagcgaaag 420  
actacgttgt tgaaaaaac agtgaaaccg cagatacatt gggtaaagaa gctgagaaag 480  
ctgcngcggt atgtggagga gaaanggaaa agaaancccc aacaaaggng gnagaanttc 540  
cccgagggtg aaa 553

<210> 17649

<211> 550

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-009-Q1-E1-G1

<400> 17649

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tagatacaaa attatcgatt tttgaaacag gaattaaagt agtagatctt ttggcccctt 180  
atcgtcgtgg gggaaaaatt ggactattcg gtggggctgg cgtgggtaaa acagtactaa 240  
ttatggaatt gatcaacaac attgctaaag ctcatgggtg tgtatccgta tttggtggag 300  
taggcgaacg gactcgtgaa ggaaatgac tttacatgga aatgaaagaa tctggagtca 360  
ttaatgaaca aaatcttgcg gaatccaaag tggccctagt ttatggtcag atgaatgaac 420  
cgccaggagc tcgtatgaga gttgggtctga ctgccctaaa ctatggcaag aatattccga 480  
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ggattcgagg 550

<210> 17650  
 <211> 507  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-G11  
  
 <400> 17650

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cggctgcgag aagacgacag aagggtagcg ctgcgagcag acgacagaag ggtacggctg   180
cgaagacgac agaagggtac ggctgcgaga agacgacaga agggtagcgc tgcgagaaga  240
cgacagaagg ggagaacaaa atactcatat acacacacac ttggatttaa agaaaaaaag   300
gagttttcct tcttcttttg ggtgtgtcaa gtttctgttc ttctttttct cgtgcttcca  360
tcacgagata ttcacaagg ctctcgcgac tennnnnnnn nnnnnnnnnn nnnnnnnnnn  420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnccac cagcaacagc aacaagtact  480
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 <211> 517  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-G5  
  
 <400> 17651

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tggtttatct gccgatcttg ctgctaaact tgttgtaag gaagcattgc gaacaaaagg   180
gttgaaagat gatacgactt gtgtagtcgt tgacatagtt ccatctggtc atctttcctt  240
ggctccagca cccatgaaga aacagaaccc atttacctca tttctttcaa ggaaaaacca  300
tatggatacc aacaacaaaa atggcaacaa gctttctgct gttggagttg tagaagaatt  360
gtttgaagaa ggttctgctg tgcttgaga tagattggga aaggatcttc tctcaaatac  420
  
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ggnaactggg ctctntaaaat gtgctgtatg ccaaatagat gaatcctccg agtgaangat 480  
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<210> 17652  
 <211> 480  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-G7

<400> 17652

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 tgaagacgaa aattggaagg aggagctgat gggaaactta aaaaaatcta cacgcagtga 180  
 cgagttaagc cgttctggtc cccctcaaat tccaaatcct gactggaaca atttgtatca 240  
 ccgaaccacg gtggcctcat gtttggtgca aggagtttac gcaaaggaaa gagacaggga 300  
 aaacaaccga aatggttccg agtcattagc cacaccttgg tggaagagtt tcaacttcac 360  
 tttagatgaa agtgaaatcc tatatgacgt atttgacggc tccatatacg gtgctgtctt 420  
 ccaaaacatg ntcaattatg agaatacccc gaactcgata gtatacctcc gcgttacgtg 480

<210> 17653  
 <211> 504  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-G8

<400> 17653

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 gagaagaaaa tttcccaaaa tcaaaaaccc taaatcgaat caaaatcctt tctaataaga 120  
 atgaaataac caaaacagc acaaaccgca gcaacagcat tgccttcttt caaaagaacc 180  
 ttaaacacaa atccaaacac ttctcttgta atcttacgag cttcaacaac caataccctt 240  
 ctcgatttcc caaaaaacgc aagcagcaca accaccgata tccagatcac cataaccgcc 300  
 ggaaccgcaa ccgcagccgc cgcaaccatc gacatggctc caaacacagc tcctaacacc 360

acagatgcgt aaaccgccgg taatcttgac ggagacggcg atgacgtgta ctggagcttg 420  
taccagctaa gcacagatgt gaagaaagtt ccatgaggaa gccaggagaa tcgcgtagac 480  
aggtacanag agacaaaccc atgt 504

<210> 17654  
<211> 497  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-009-Q1-E1-H10  
<400> 17654

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acgacagaag ggggtacttc gtttctttgg acagtgtacc tccacgtatt cgtctctggg 120  
gatttaatca aagcctctgg agaagatctg taggtacgta caaatgtctg aacatggtat 180  
ggttttgggt aaaggtaaca aaggaatcag caagaattct tcagtcaatc catatgaatc 240  
agcttggtta ggtcgttga ctcagtcagg tagtgaagtg aagtttcatg atggtgagac 300  
caattgctct aagcagttga taagacctga agatgagaat catggagtcg aggtcttgcc 360  
gtttcctatg ttcaaggttt ctcaaaagag agagnnnnnn nnnnnnnnnn nnnnnnaacc 420  
gtctttccat gaagatgttg gttcaagctc gagagctatg gttaatanaa tgccctggat 480  
gtatccgcaa ggagaga 497

<210> 17655  
<211> 461  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-009-Q1-E1-H3  
<400> 17655

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ccgtttgtcg gaagatttca cgacgattct tcaatcctta tccgaaccgg agaaatcatg 180  
tcggacgctt tgatcaatgg attggctgga gctggtggtg ggatcattgc tcagcttctc 240

acttatcctc ttcaaactgt aagtacgcgc caacagacgg agcgggatct gaagagggag 300  
aagaggaaac ttggaactat cgaacacatg tgtcaggttg tcaaacaaga angatgggag 360  
angttatatg gtggattggc gccgtctctt gctggaacgg gtgcatcaca nggtgtgtac 420  
taccnactc tancnantgt ttccggatcg agctggaanc a 461

<210> 17656  
<211> 462  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-009-Q1-E1-C6  
<400> 17656

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ggtcgccgtc gtctctctct ccgttaccaa caagcctcac tctatcagat tctctcttaa 120  
accaacgtcg gcactcgtcg tccataacca tcagctatcg ttctacgggt cgaatctcaa 180  
gctgaaacca actaaattcc gatgctcagc gtcggctctt acgccgcaac ttaaagacac 240  
gctggagaaa ctggtgaatt cggagaaagt ggttctgttt atgaaaggaa cgagagactt 300  
cccgatcgtt ggattctcca aactgtggt tcagattttg aagaatctga atgttctttt 360  
cgaagatgtg aatattctgg agaatgagat gttgangcaa ggacttaaag agtattcgaa 420  
ttgggcgacg tttccccagc nttatatcgg nggtgagttt tt 462

<210> 17657  
<211> 532  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-009-Q1-E1-C7  
<400> 17657

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nnnnnnnnnn nttggagatt aggttgttg tttgatttcg ctacgagaaa atggacaagt 180  
acgagcttgt taaagacatc ggtgctggga attttggagt ggcgaggctc atgagaagtc 240

aaaaactcca aggggaactcc ttgctatgaa atnacatccg accttggacc taaagattga 300  
 tgagaacgtg gcgagagaga ttattaacca cagatcactt cgatcatcca atattatccg 360  
 gttaaggag gtggttttga caccaatgca catcgccatt gctatggaat atgctgctgg 420  
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<210> 17658  
 <211> 504  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-C9  
 <400> 17658

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 gaagacgaca gaagggtacg gctgcgagaa gacgacagaa ggggagccat gaggttggtta 180  
 tatcgggttaa accgttgaaa gtcgaaaact ggatacttcc agaaatgccg gggctaatta 240  
 ccgacttctt gatctccctc ggtgaccgat ttatttactt tgtgaactgg ctccatggag 300  
 acattcgtca gtacaacata gaggacccta aaaaccctgt attaacagag caaatttggg 360  
 ttggaggatt actacaaaag ggcagtcctg ttaaggcggg tggagaagac ggaaacactt 420  
 tccaattcga ggttcctcag atnaagggga aatctttacg aggtggacct caaatganc 480  
 agctgacctc catgggaaac gatt 504

<210> 17659  
 <211> 475  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-C5  
 <400> 17659

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 ctcgatggct cgctaccagg agatttcggg ttcgacctat tgggtttggg gaaagacccg 120

gctttttctga aatggtacag agaggctgag ctgatccatg gccgatgggc gatggcagcg 180  
 gttcttgagg tcttcgtcgg ccaggcctgg agcgggtgtgg catggtttga agctggagcc 240  
 cagccagacg cgatcgctcc ctctcgttc gggtcgcttc ttggaacca attgcttctc 300  
 atggggttggg tggagagcaa acgatgggtc gatttcttca acccggttatt ctcaatcggc 360  
 tgaatggggc aacgccatgg tcaagaccg ccganaattt cgcgaactgt accggcgatc 420  
 agggataccc cggtgggaga ttcttcgatc cgttgggtct cccccnggaa aaacc 475

<210> 17660  
 <211> 489  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-D10

<400> 17660  
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 caatgaagtc agtttctaac ttcgcaatct ttttaatcct ctttttggtc acctctgaaa 180  
 tatctgagat agaagcgaaa gataaggaat gtctaaaagg atacattgat gcgcctttaa 240  
 gctattgtat ggctaggatt tatccgtcgt tgtgttatcg aaattgtcgt ttttacaagg 300  
 gcgcgaaagg tggaaaatgc gacggtctta agtgcttctg cgacttctgc agcgacaagc 360  
 ctttttagtc agtttctgat gagaaatgtt tgaatcttgg catgtatant ggtttgtgta 420  
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<210> 17661  
 <211> 466  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-D11

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 gaccgaaact cggcaaaatc agagcttttt ggattgggtct tgagtctggt caatggagag 180  
 ttggaagagt gagcttgtgg gtggttaatc ctcgtggtaa agaaaccgag gcaaaaacct 240  
 tttgttaccg atatgatttt gaagttgatg aactcttgct tggagagagc agtgacctat 300  
 caatgggtgga acttagacct agccgtatca ctgaactcgc tgactccgat caaatctctt 360  
 cgtcttcagc tctgaatctt gaccgtacta tggtttccaa tgaggaaagc atggaagaat 420  
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<210> 17662  
 <211> 492  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-D3  
 <400> 17662

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 ttacgaaaat atctatcaga ttttgtcagg attatcgtct taacattttc ttggtttttg 180  
 tttgactagt tgaccgtgcc gccaccgaaa tctgaaggga ggcctattta ctaccacatc 240  
 gcggacgaag aangacacgt ggaggaagan tcagccgttg gatatgcntt gactttcaaa 300  
 ggaaataneg tggaacagtt gacgcaggcg ttgcaagaag agactagtat ggatgatggt 360  
 gtggtctgta cagccatcc ttcaaacggc aagctgtttc ctcttcgttt gcaacttcca 420  
 cctaatactg gaacaatgca tgtcactcta gtacctcaac tactttacgg caaggctgtg 480  
 tggntcccc tt 492

<210> 17663  
 <211> 534  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-D4  
 <400> 17663

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gagaagacga cagaaggggg agacgagaga aagagaaggt aatcggccac gatgacgatg 120  
gcgacgcctt tcagtggggc tgcgaactct attgtggcgg cgaggaccgt tctgataacg 180  
ggagtgagca aaggtctggg aagagcccta gctctcgagc tggccaagag gggtcacact 240  
gtgataggat gcgctcgtag tcaagagaag ctcaccgctc ttcaatcgga gctttcctct 300  
tcgaccaatc atctcctcct caccgctgat gtgaaatcaa acagcagtgt cgaagaaatg 360  
gcacacacaa ttgtggagaa gaagggtgtc ccagatatca tagttaacaa tgctggtacc 420  
atcaataaga acagcaagat ttgggaagtc tctgctgaag atttgacagt gtcattgata 480  
caaacgttta aggagttcaa atgtgctgcg ccanttatcc cnttgatgct ccca 534

<210> 17664  
<211> 495  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-009-Q1-E1-D6

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acgacagaag ggtacggctg cgannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnga 240  
aaagaagctc ggctccttct tgattcaggc ggctatatct gaatgttcaa atgtcagtta 300  
tggtcaggct ggtagatttt caaatgacgg ttactcagct tggatttacc gcccttttag 360  
aaacccact ttatggaggg aaagaaaaac acacnaanac acaaaggaag agtttcgaga 420  
ccttgtttct ctgttagagg gtcttgtaag aatgcttatg tggataaatc ntttgagtta 480  
tategtcttt tgttt 495

<210> 17665  
<211> 536  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations

<223> Clone ID: LIB35-009-Q1-E1-D7

<400> 17665

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caaaccaacg actcaaaatt taaccagaga tgggtgaagg tgaagaacag aggaggatca 180  
cacacttgga tctgagaaac gagccccagt ttccaatggt tttcgttaga gaatcgactt 240  
gtttcgctaa ggacgatctc gctatcttcc cgccgatcaa ccacgagaat ctctacgtca 300  
acggactcga atctccgtcg gtatcatcct cttcttcacg ttctcgtcg agactctcag 360  
attcgctcctt ctctccgtcc gattcagacg aacaatttca atttagccgg aaatcgcat 420  
ctcagccatc ggaagatgtc gggaaatctc cgtggaaatc cgtaattgag attgatatta 480  
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<210> 17666

<211> 485

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-009-Q1-E1-D9

<400> 17666

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tacgaaatgt cccggtttta gtcaccccaa ctgatgtcag gcttggtgcg tgtggacatt 180  
ctcacactct cgtttatatg agagagggac gaatttgtgg atgggggttat aatagttatg 240  
gtcaagcagc aaatgagaaa tcgtcatatg cttggtaccc atcgctgta gactggtgtg 300  
taggacaagt gaggaagcta gcagcaggag gtggtcattc agctgtttta accgatgcat 360  
tttcgttgaa ggagtgtgtg gaatttcaat tagcagatan tgtgaacctc tcaaatgctt 420  
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actga 485

<210> 17667

<211> 525



<212> DNA  
 <213> Arabidopsis thaliana  
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 <223> Clone ID: LIB35-009-Q1-E1-E1  
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gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggggtac 180
ggctgcgaga agacgacaga agggctacat tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn gcggccgctc tanaggatcc aagcttacgt acgcgtgcat gcgacgtcat 300
agctcttcta tagtgtcacc taaattcaat tcaactggcg tcgttttaca acgtcgtgac 360
tgggaaaacc ctggcggttac ccaacttaat cgccttgcag cacatcccc tttcgccagc 420
tggcgtaata gcgaanaggc ccgcaccgat tgcccttccc aacaattgcg cancctgaat 480
ggcgaatggg acgcncctn tnttggggca ttaacccnc gggtt 525
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<210> 17668  
 <211> 514  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-E10  
 <400> 17668

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gagaagacga cagaagggtg cggctgcgag aagacgacag aagggtacgg ctgcgagaag 180
acgacagaag ggtacggctg gcgagaagac gacagaaggg tacggctgcn anaagacnac 240
agaaggggtac ggctgcgaga agacnacaga aggggtacggc tgcganaaga cgacagaagg 300
gtacggctgc gataagacga cataanggtg cggctgcgag aagacgacag aanggtacgg 360
ctgcgagaag acgacanaag ggtacggctg cganaagacg acanaagggt acggctgcga 420
naagacgaca gaanggtacg gctgcnagaa nachacagaa aggtacggct gcnagaagac 480
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<210> 17669  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB35-007-Q1-E1-F12  
  
 <400> 17669

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agaaggggac aacgaaggca tcttcttcat caattgatct actctgctct gctcaagatc   60
agaaatcgtc gggttagttc tccgggttaa agtttcgtct ccgcgggaat tggaacttca  120
atggagggat taaagctctc agaagcggaa ttgatgattt ttattcatcc ttcccagagc  180
agaaacgttt ttcaaggaat ttgtcgcgag ctcagttctc ttctattcca gtataatgaa  240
acctttgatg gagttctatt ggcttatgat gctactgtga aaagcaaaca agctaaaatc  300
cttacaggac ttcaccttta ctttggcgtc agagttaaca ctagactact cttatttgat  360
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taat                                                    424
  
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<210> 17670  
 <211> 512  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-G1  
  
 <400> 17670

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ggtaaaacca ttgagcttga tgatgtcaca tttcaccagt gtgtgaacct gaccagattc  180
aactccgaga agactgttag tttgtacca ccggatggag agtttgaact gatgaagtat  240
cgaataacag aggggtgtaaa tctgcctttc cgtgtattac caacaatcaa agaacttggt  300
cgtacacgta tggaagtaaa tgtcaaggtc aaaagtgtgt ttggtgctaa aatgtttgcc  360
cttggggtcg tggttaaaat tccagtgcc aacaaacaa gccagaaca atttccaagt  420
gacaactggt cgcgctaaat acaatccatc aatcnaatgc cttggnttgg aagataagaa  480
  
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aattcccaag gcaaacagag tccaagctaa at

512

<210> 17671  
<211> 437  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-G10  
  
<400> 17671

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actgagaact tctttcccta ttctgttttag tcggacagga cctgcgagga agatttacag 120  
gtgcaattga ggcattcacc agacgaaatg tttcaagcca aggcgctctt ggtgatcgct 180  
ctagacacag atcttctgat gatataccct cttctgcaa ggaagtgcac gagtctcgaa 240  
atggaagtac ctcaaagaga ggtgtgatat caagcaccag acctgggtca tcagctgaac 300  
caagcgagaa ccaactcaagc cgactatctt caaagtgggt cacgtcatgc cacaacccaa 360  
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aagaaacttc anctccc 437

<210> 17672  
<211> 400  
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<213> Arabidopsis thaliana  
  
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<400> 17672

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ccaaggctt cgaatagagc accatcgaac cattaccaag gaggaatata gttccacaaa 180  
tcgaaagggc aacatatcct taagaaccct ctgcttggtg attcgatcgt tcagaaagct 240  
ggtatcaaga gtaccgatgt gattctcgan atcgggtccc gtactggnaa cttgancacg 300  
aagcttctaa aagctggcaa aagaagttat cgccgtcaaa ctgacctcgt atggttccca 360  
acntcaacgc gttttcaang gactccntc tctaaccgcc 400

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 <212> DNA  
 <213> Arabidopsis thaliana  
  
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agaaaggaga agaaggcttg ttctctggat tatcaaacc tttcattgta ggtagatatc  180
acagtctcgt gatcgaaaaa gatacattht ctagtgatga actcgagggt acagcatgga  240
cagaagatgg tctggtaatg gctgcccgtc acagaaagtn caagcatata tanggagtc  300
aatttcatcc cggagagtat tataacaact gagggcaaga caattgtccg caantttcat  360
caaaattant nnangaaaaa gggatcccaa aaaactgaca tanacctanc cctgaattgn  420
gaaaatcaac cggtnthcna anaatggccn cccggtaana anaatttgcc aatgcaaaa  480
  
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<210> 17674  
 <211> 505  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-G3  
  
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atcccagaga gtctcgggtgc agcagcaagt acaagagttg caaacgagtt aggagctgga  180
aacccgaaac aagctcgaat ggcggtttac acagcgatgg ttataacagg tgtagaatca  240
ataatgggtgg gtgcaatagt ctttggtgca agaaatgtat ttggttacct attcagttct  300
gaaactgaag ttgtagacta tgtaaaatca atgggtccac tgctttcttt atcggtcata  360
ttcgatgcc ttcacgcagc tctctcgggt gtggctagaa gatnanggaa gcaagatatt  420
ggggcatacg ttaanctaac aacatactaa cccctttggg ataccaactg ctatactatt  480
  
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505

<210> 17675  
<211> 462  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<400> 17675

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agtcgtaaga ccatgtatgg gggctgacgc ctgcccagtg ccggaagggtt aaggaagttg 180  
gtgacctgat gacaggggag ccggcgaccg aagccccggt gaacggcggc cgtaactata 240  
acggtcctaa ggtagcgaaa ttccttgctg ggtaagttcc gaccgcacg aaaggcgtaa 300  
cgatctgggc actgtctcgg agaagaggct cgatgaaata gacanatctt ctgcaatanc 360  
gaaagagaat tgtgcgctgc gatgcctttc tccggtttgc tatcaantc attttatgag 420  
agtnattcnm cttgaanaaa nggtgaaaaa catttgattt an 462

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<211> 481  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-G9  
  
<400> 17676

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tcagtgtca taatagctat gancagttat ctttcacagt tgacaagctc ttcagaggtc 180  
ttcttgcagc tcaaagagac tttccatcat ccatanaana tgaaanacca atcactggat 240  
tattagatgg gaatggagaa tatactctta catatgaaga caatgaagga nacaagatgc 300  
ttgtangaga tgttccatgg caaatgtttg tgtcttcggt gaagaggctg cgtgtgatta 360  
aaacttctga gatttcttca gcattaacat atggaaatgg taagcatgag aaaatgagaa 420

gatgaagaan aagatcttta cagcttttan agaantagag agatgttact aantgcattt 480  
t 481

<210> 17677  
<211> 434  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-H10

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tgcgaggaag ccaaggtttt tgtgtctcca tggatttcgt acgagcggag agataatgaa 180  
gatacagctt cataaatggc ctaaattctgt aattgataga ctcgatctcg tgtttctcga 240  
tgcacctttt ccttgtcaag gcaaattctga tgtcgaaggc atctttgatc ctctttatta 300  
cnagtggttt caattcaaca aggaattcac cgagtatacg gtttcgaaaa atgtttggag 360  
tactggggga tnntangata acctngccct ttcnagggcc cattgggttt tcccaggggn 420  
catttttccg gggg 434

<210> 17678  
<211> 412  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-H11

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ttcaacgctg gttgtggctg gccagctttc tttgaaggaa tccccggtgc cattaccga 180  
acgacagacc cagatgggag aagaatagag atcaactgtg caacatgtgg tggacatctt 240  
ggtcatgttt tcaaaggaga aggtttcgt actccaaccg atgaacgcca ttgcgtgaac 300  
agcgtttcgc ttaagttcac accgcagcg tcttccttgt aaatcttggc cgaacaagat 360

tanttgtctt ctctggattt ttctactcaa gtgagtggga gaaaaacaga ac 412

<210> 17679  
<211> 454  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-H3  
  
<400> 17679

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tatgtggagc tcagatgctg cgcctctcat cgcctcattt caaaaccctt catttgggtga 180  
ggcatgcaca aggagtccac aatatagcat tagaagagaa gggagagaaa cctgaatcag 240  
aaaagctttt tgacgcccac ctttctccaa aggggtttgca acagggtttcg gaaaggcgca 300  
accaaatect tgaatcagga ttacttaaca ctgtcgagtt agtgataacc tctccgctgt 360  
gcagagcaat gggaaacttc aataggaata ttangggaca aggtatgtta atatatccga 420  
agactttgca aaactaaca cttcctccaa ttgt 454

<210> 17680  
<211> 491  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-H4  
  
<400> 17680

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agaagggggg ggtcaaaatt ttaacaaaaa ggaggggaaa tttgtgtctg aaaaatgtgg 120  
tgtgcttgct atcatcagcc attacctgcc agttccgtcg tgttgaatca gcaggcgaag 180  
caagaagaga gtctgagaag aaaacaagtg ttcttcttct tctcctcatc atctccttca 240  
agcttaagca ccaaactca atggcaaata agtaattatc ctaaaaatgg gttcagacta 300  
aaacaaaag cgagtgtgtt gctccttctt gactctggtg atatcactac attcctcttt 360  
gttantggag caatgatccc atgtatttgg taacaatttc cggttcaatc gttgctttca 420

agtctcccaa ggtgaanaan aggaagaaga ggaagactcc gattaaacta tgaactatta 480  
aacganttct t 491

<210> 17681  
<211> 424  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-H7  
  
<400> 17681

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aggggagccg gcgaccgaag ccccggtgaa cggcggccgt aacgataacg gtcctaaggt 180  
agcgaaattc cttgtcgggt aagttccgac cagcacgaaa ggcgtaacga tctgggcact 240  
gtctcggaga gaggtcaag ccaccatggt cgctccattc ancggcttga agtcatccgc 300  
tgcattcccg ggtcaccgcg aagaccaaca angacatcac ttccaagctt caccgaagnc 360  
ttaatttcct ttccaaaaca tttcttatga attaaccn gcccatttca attccaattg 420  
tcgg 424

<210> 17682  
<211> 512  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-H8  
  
<400> 17682

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cgaaatcgat tctaaatcca tggaattctc ctaggataat gaagctaggt ttcgtaccag 180  
tcgttcgccg ttttccagct actactaccg tcaaggcttc ggcggtggat tcaacctgag 240  
agttcctcaa atttogccaa agcgttatgg gattcgagcc ttgggattaa tctccacaa 300  
gcaaaccaaa gtccctggtt gggatggttc aatcggtngc aaatttcaaa aanggggtca 360



tggtgggnaa ttgccaaaat tgggttgtn ccgggggttac aanggaattc cnttcaatcc 420  
 ctttgggggn gaataaaciaa tggccttttg gcccaaaggt ttccctcca aaaggggaaa 480  
 taacnttcca agggttgggtt aaancccggc cc 512

<210> 17683  
 <211> 420  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 17683

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 atcaccacca tcaccaccgc acgtccttgc aaaaccttcc taatctctc atattccctc 180  
 tcaataacc cagaaaacc taacctcgaa tccgatttca cctccacacg attcgtcacc 240  
 gttttcacia tccgtcgtct aaatcctcac cacgtgggtgc cttttcttcg tcaatcgtcg 300  
 tcacgagaag ccacagatnc aatcggatcg ttccctcct ttgatcctga taacatcaat 360  
 tcgtttanag atngaaccaa gagatattcc taacgtctcg tcgcgccttt gttcngtggt 420

<210> 17684  
 <211> 502  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-D2  
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 agacgacaga agggtagggc tgagagaaga cnacagaagg gtacggctgc gagaagacga 180  
 cagaagggtta cggctgagag aagacgacag aagggtacg ctgcgagaag acgacagaag 240  
 ggtacggctg cgagagacga cagaagggtta cggctgagag aagacgacag aaggaggag 300  
 gacggtacca aggagganga ggacgatacc aaggaagcng tgggccacaa ggaagaagg 360

gaagtggggg aagttactgc cgccacngct gctgctacag angttacaac ngctgctcaa 420  
 gatgctgctc gstatgccgga naaactgttc aaactcaacc cggtcactaa aacaatatat 480  
 taaccaatca caacatgcat gt 502

<210> 17685  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 17685

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 aattaacggc tggacgcttt ggtggtatcg atgcttttagc acaggagtat ggacaaggta 180  
 tggctaagca agggatggat gtattacttt ccacattatc aaagctattc aatctgttgg 240  
 gagacatctc ataaaggcca aattgttggg gttancgtcc cttgatgaga agattaaacc 300  
 aagaatcaga aaaatctttt gaactttggg gtcttcccgt tcaatctgca cgctcaatg 360  
 gtggnaaatt tggaggggaa ntcccaagtt caagccatta acccctgaag gttaanacc 419

<210> 17686  
 <211> 489  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-D5  
 <400> 17686

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 gtacggctgc gagaagacga cagaagggtg cggctgcgag aagacgacag aaggggtacgg 180  
 ctgcgagaag acgacagaag ggtatgagag aagtccgaat cttctgaagc tagcgaagga 240  
 aagagcagtg tttagctttg gggacaaggc ttagatccaa gtacaagatc acttacaatt 300  
 tttaacaaga gtgtttccct aaaccgttna aggctcaa atccttcaat ccctaaaaag 360

aattggtggt tttaatncca aanaanaaaa gggccaaaat nccaaaggaa aanannaaaa 420  
 gggttgtttt gggnccccc aaccaattgn agnaaacctt aatttggggg aaaaaaaaaat 480  
 tgttttaan 489

<210> 17687  
 <211> 430  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 17687

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 gacgacagaa ggggacatct gagagctttt ttcgtttctt gtgagatcat ctaaaaaatg 180  
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 gcaagaaccg cgcattgttag cccacgagcg gcgcattcta acaaaccgc gctttcttcg 300  
 ttctcgctga ccggcgctc tcgcangaat ctgttatattt cgttgacngc atcnacggta 360  
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 aagaaaactga 430

<210> 17688  
 <211> 487  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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 ttccccaaat gatcgacgcg ttgtagaaca ctacatcccc agggcaagtc cacggactac 180  
 tctttgggag catatctgtg ttacagatgt tctcgactga agaaagcaac caccatgtgg 240  
 tcccagggga gacagttgaa gcaacaatag tcgcaacgag ttgaacgatg aacatagatc 300

tcggaggaat cttcatgtag tggccaagtt tgaagtctcc gacaaagtac aaggcttgag 360  
 ctatactcac agaaccataa gtcctaaaag ccacattggc aantggcttt cccgggtaca 420  
 agaancgat gatnaattcc gatataacat taagaccaat cgctgggttg tggccnctag 480  
 gataacc 487

<210> 17689  
 <211> 403  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-D8  
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 gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 180  
 acgacagaag ggtacggctg cgagaagacg acagaagggg acttggaac tcacttggcg 240  
 gatccacggc acaacaacat tggcgatatt gttatccctt tcaactaatg aatgtaaaaa 300  
 tagaaatatg tgtaccttat gagctttatg tgtatcaaaa acactgtgta atgaaagaca 360  
 gatttgtgaa aaaaaanatn nngcncnana nnanaaaagc ggc 403

<210> 17690  
 <211> 410  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-E1  
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 acagaagggg acggctgcga gaagacgaca gaagggtacg gctgccaaga agacgacaga 180  
 angttacggc tgcgagaaga cnacagaagg ttacngctgc nagaagacga cagaagggga 240  
 nagaagataa tgaactccnt ggggggtttca attggaactt gttcctcctc caaattgaga 300

aaangaaaat tccaatttcc ttgttnaata aatancctta aacaaaancc aaaaggctat 360  
ttaaccttta gaaaacaaac ccaaaaaant ttcttccgna tccccgaatt 410

<210> 17691  
<211> 456  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-E10  
  
<400> 17691

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aaagaaaagg gggtgacctg agttcttcaa cacataacat aatggccgga gttttcaaaa 180  
cggttacgtt tcttgttttg gttttcgctg ccgttggtgt cttcgcgag gactacgatg 240  
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ccggtaaaac tttccgtgta ggcgacgaac tcnaatttga tttcncgtgt gggaagcatg 360  
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<210> 17692  
<211> 471  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-E11  
  
<400> 17692

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cgagaagacg acagaagggg gaagttgcag agaattctagc gagaccaatg gctactctgg 120  
tctcgtctca aacttacatc taccattgtc atattagtaa acaagctctt tatcaggcaa 180  
aagaatcata ctctcatcgt agaatttccc gtcataatca cagagaaaga ctcgattttt 240  
ctcatagaaa ccatagattg acaataacta gaaagcagca acctttgtct ttcaacaccg 300  
tgtgttttgc cgcagacgag cctccgaaa tcagtgtga tgctagaatc cgtagtgagg 360

ttctgtctcc gttcagatna gtcggtatgt tcttctacct cgcctttata gcaagcggtt 420  
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<210> 17693  
<211> 423  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-E3

<400> 17693

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atcacacaca aggtttatctt tgatgttgaa attgatggga aagcagctgg tcgtattgtc 180  
atgggtctat ttggcaagac agtcccaaaa actgtagaga atttccgagc tttatgcact 240  
ggggagaaaag gaatangtaa gaatgggaag gcgctccatt acaaggggag ttcatttcat 300  
aggatnatac caagctttat gctccaagga ggcganttta cacatggaaa ttggaatggg 360  
aggagaaacc aacctatggg gaaaaatttt gctgatgaga acntcaaact caagcatact 420  
ggg 423

<210> 17694  
<211> 446  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-E4

<400> 17694

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gtacggctgc gagaagacga cagaangta cggctgagag aagacgacag aagggtagcg 180  
ctgcgagaag acgacagaan ggtacggctg cgagaagacg acagaagggg acaacaaaca 240  
caaaaatcaa aaggggtcat ttactatctt ttaagagacg acatatataa ttctcgacca 300  
agaaaagaaa agggggtagc cttagtctt caacacataa cataatggcc cggagttttc 360

aaaaccggtt acgtttcctt gttttggttt tcgctgccct ttgttgctct tcncggangg 420  
actacaattt tgggtgattaa taccgn 446

<210> 17695  
<211> 437  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-E6  
  
<400> 17695

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aactaacaag gagacagaca ctaagcttgg tttttctctc cgattagacg gaggaaaaag 120  
tgaaaacgag gggcttagac gagtnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnttcag atacgccttt gcctcaacag 300  
aacagagcct ttagtttgct gcgtgagatt ttgaatgcta ctccaaggga aggctgataa 360  
caaaagactc gctcatgccc taaaaaagga cttcgattca gcctacggcc cggaatgcac 420  
tgcattgttg gnacaag 437

<210> 17696  
<211> 429  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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gttccgaagt attcccaaan agactggcta gcatgttatg agactttgac cgattatgtg 180  
gttcctaggt cctcgaagaa attgtttgag gataatgagt atgcccttta caccgtcact 240  
ctctttactc gtgtcgana taatttcagg attgctgctc gtganaaagg attccaagtc 300  
cgttgatttt gancaaagtg ttgaancaca agtnaccctt aaacaangag ctagcaaaan 360

ttgggttcang atnaaggaan gtttnanaac ctccctttgc nattgggtcta cacnagttat 420  
 ggtaagggtt 429

<210> 17697  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-E9  
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 tgttcttctc gacattgctt tgcgtcccgga cgaacctagc cgaggggtttt tacttggaac 180  
 gagacagact ttgttagaga ctaaagatgg tggaagcact tggaatccac gttcgattcc 240  
 ttcagctgaa gaagaagatt tcaattatag attcaattcg attagcttta aaggcaaaga 300  
 aggatggatt attggcaaac ctgcgatttt attgtacact gctgatgctg gagagaattg 360  
 ggataggatt cctctaagtt ctgagcttcc tggagatatg gtgtttataa aagcgacaga 420  
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 atataactgg g 491

<210> 17698  
 <211> 501  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-F1  
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 acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa ggggtacggct 180  
 gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggggag aaaccaaata 240  
 aaaaagggga aacttggttt cggtnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcggcc 300



gctctagagg atccaagctt acgtacgcgt gcatgcgacg tcatanctct tctatagtgt 360  
cacctaaatt caattcactg ggcgtccntt taaaacgtct tactgggaaa anctggcgt 420  
taccaactta tcgcccttgc acaaatcccc ttccgcanct ggcnttatac caaaaggccc 480  
cacgttgctt tccaaaattc n 501

<210> 17699  
<211> 447  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-006-Q1-E1-E9  
<400> 17699

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ttgacttgca aaaagtggaa cgatttatcc aaagatcgga gctttctcaa gaagcaaadc 180  
gtcgaaacaa agaagaagca attggaatcg aaggagattg aggtgatcat gatgaggaat 240  
tttagggttt atctaacaag catcgatadc cacaacaatg ttgatccatc atttacgcct 300  
aaaggtacac ttattagctt aagcgatgat gcaaaccatc atcaagtcga taatgtatct 360  
anagtctttc actgcgatgg ttactatta tgcataacca aagacctcca ctataggctt 420  
gtggtttggg acccttattt tgggcaa 447

<210> 17700  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-006-Q1-E1-F11  
<400> 17700

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tttcacaaac caaggattct ggtgtacttc acagtgggtga tgcaggctcg cgaacgtcca 180  
cagcagcaat ccctttgcaa aagccagctt atcaacaaac aggatatacag atccctgcct 240  
cagctctcta tgatactcct gtggaacctg gagcttcttc tagatctgct caggcatcaa 300

ttacaagacc cagcgacagt gactccttta gtgggccgag ggggtgcagac cctctatcaa 360

tgatggagtt ttacatgaag aaggctgccc aagaagagaa aatgagacgt cctaggca 418

<210> 17701

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-006-Q1-E1-E10

<400> 17701

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttagcgcc gtccatggcg ggtcttcaga 120

gatccaccat ctctttccgt cgacagggct cttcgggtat agtctgggac gatcgtctca 180

tcgccgagct aagccaacaa gcggccaacg accggaaagg cgagactcta caacaggacg 240

aacaggccaa gctgattacg tcggaagtac aggatcagac aaccaaact atcgccggag 300

aaggactcaa acctatcaga actgacggag gtatggagag gagtcgattc aacggaggag 360

gagccatccg ccancatcga aacacagga gagtgtctcc ggcggtggac cccgccgtcg 420

ccgagactgt cggcgtttgg gtgctgctct g 451

<210> 17702

<211> 469

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-006-Q1-E1-F9

<400> 17702

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acgcgtgggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg 120

cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 180

cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa 240

gacgacagaa gggtagcggt gcgagaagac gacagaaggg tacggctgcg agaagacgac 300

agaagggtac ggctgcgaga agacgacaga agggtagcgc tgcgagaaga cgacagaagg 360

gtacggctgc gagaagacga cagaagggtg cggctgcca agacgacaga aggggtacggc 420  
 tgcgagaaga cgacagaagg gtacngctgc ganaagacga cagaaggat 469

<210> 17703  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-006-Q1-E1-G10  
 <400> 17703

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 attatggctg gggaacttat ttcgttttgt atacaaaacc tgtggaacct actgagtcaa 180  
 gaatgcgagc tatttcaggg agtcgaagat caagtaactg aactaaaaag ggatctaaac 240  
 ttgttaagct cttttctgaa agatgcagat gcaaagaaac atacaagtgc ggtggtgaaa 300  
 aactgtgttg aagagatcaa ggaaattatc tacgatggag aggatacaat cgaaacattt 360  
 gttcttgagc aaaacctggg aaaaacaagt ggtatcaaga agagtatcag aagacttgct 420  
 tgcatt 425

<210> 17704  
 <211> 404  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-006-Q1-E1-G11  
 <400> 17704

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 catattcctt caccatctct ctctctctcg atcttgtgaa ccactacaca cactaacaca 120  
 atgagagaga tccttcacat tcaaggttgt caatgcggtg accagattgg ttccaagttc 180  
 tgggaagtca tctgcgacga gcacggcatc gattccaccg gacgttacag tggagacact 240  
 gcagatctcc agcttgaacg tatcaatgtc tattacaatg aagcttcagg tggaagatac 300  
 gttctcgtg ctgttcttat gggctctgag cctggtacta tggatagtat cagatccgga 360

ccgttttggtc agatctccgt cctgataact ttgtcnttgg tcag

404

<210> 17705  
<211> 420  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-006-Q1-E1-G12  
  
<400> 17705

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agaggtaaaa ttgtgatgga gctcgaagat ccaacaatgg cagattccac gattaagcta 120  
acagtcaaat tcggaggcaa atcaatacca ctttcggtat caccagattg tacagtcaaa 180  
gatcttaagt ctcagttaca accaatcacc aacgttcttc ctctgtggcca gaagctcatc 240  
ttcaaagggtt ttggttgaaa cgtcgacttt gaaacaatct gatgtgggaa gtggagctaa 300  
actcatgtta atggcttctc aaggctctgca tcaaggggaa ggtccaatac ttaaggaagc 360  
tagtataang ccaatctcta naactgttgt atctgataaa gtagatnaga gaaagcctag 420

<210> 17706  
<211> 473  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-007-Q1-E1-A11  
  
<400> 17706

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acgacagaag ggtacggctg cgagaagacg acagaagggg aagtcaaagg aagtgaacc 120  
ttcttcctct ttcttgaatc catcaaagaa tgctacgaag ctcttgatcat tgccaaattc 180  
ttggcattga tgtatagtta tctaaacata tctatgagca aaaacatttt gcctgatgga 240  
atcaaaggaa gagagattca ccattctttc ccaatgactc tttttcagcc tcatgtagtc 300  
cgtttggtac gtcacactct taaacttttg aaatactgga catggcaatt tgtggtcatt 360  
cgaccctgtg gctccacttt gatgatagtt tacagctcat cgggttttat ccttcatggg 420  
tgaactggac attcactatc attggcaaatt tctcggttct ctgggcctgt aat 473

<210> 17707  
 <211> 449  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-A4

<400> 17707

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 gatatgggaa agcaatgctc acgggagtggt ttcttcaatc agtacaacca atctgactat 180  
 tgattctcaa ggatgtgggt ccagctctaa tgaacctgct gaatttggtta accatgggtct 240  
 tgtgctatgg gaatcaaact cggcagcaat ggggtgggaag ataaaagatc cgagagccgt 300  
 aaaagcgttg ggtcgaagaa cccgattcta aatgagaatg tgacntatga gaagtctact 360  
 tggggagcaa caagcgantt ccganggcct anacctcctt gatgaaatgg tngcantttc 420  
 ctggttgaat tttggggaag naaaaaggc 449

<210> 17708  
 <211> 406  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-B10

<400> 17708

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 ggagttccaa atgttgatca cactcagcat tttgttagga aagatataat tggatggctt 180  
 cgttgggttac gcaacaccgt cgggtttcaa gatttccgtt ttgactttgc taggggttat 240  
 tcagcaaact atgtgaagga atacattggc gcagcgaaac cattattcnc ggttggagaa 300  
 tgttgggatt cctgcaatta caatggccat ggtctagact ataataaga tagccataga 360  
 cagcgataaa tcantggatc gatgcgacgg gacaaatntc tgctgc 406

<210> 17709

<211> 497  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-B2

<400> 17709

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acgacagaag ggtacggctg cgagaagacg acagaagggg gattgagggt tttctcttcc 120
cctgaatcgc tgtgctcggt gtgagagagt gagagatgtg tctcgagct actcaaacat 180
gcgaaatctg cgagaagggt gtatccaaat acaagtgtcc ttcttgtctt gttccttact 240
gtcattggg ttgtttcaag atacacaaag agactccatg tgctaaaccg tctgacctt 300
cttcaaccga agaaaagcca gtttctccag caaaggaagt cccggtgaaa agacctgagg 360
aagctaata tggtgtagag aagacacagc aaaaggctaa tgctgcatct ccaacgaaag 420
gaaattccng tancaagaac gataaattgt anaaggaaag aaaagtatat tttagaaaaa 480
gacacagttc naggcaa 497
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<210> 17710  
 <211> 465  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-B3

<400> 17710

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cggcattcat cgtcggcccc cgtcgccaan atccgtacgg ctgcgagaag acgacaaaag 60
ggtacggctg cgagaagacg acaagaaggg taanggctgc naaagacga cagaagggga 120
caacaccgtt ttcnttgtca aaaaaagngg gaancacacn aaaaaaaaaa gcggccgctc 180
taaaggatnc aagcttacgt acgcgtgcat gcgacgtcat agctcttcta tagtgtcacc 240
taaattcaat tcaactggcg tcgttttaca acgtcgtgac tgggaaaacc ctggcggttac 300
ccaacttaat cgcttgcag cacatcccc tttcgccagc tggcgtaata gcgaagaggc 360
ccgcaccgat ngccttccca acagttgcgc aacctgaatg gcgaatggga acccgccctg 420
taacgggggc attaaccgcc gcgggttttg tgggttacnc gcaac 465
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<210> 17711  
 <211> 493  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-B5

<400> 17711

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acggctgcga gaagacgaca gaaggggatt gagggagaag aatcacattg atagattcgc 120
cgccgatcta gagccgttga ttttcttaat cggaanaaga aaatgagtgg aagcagaagg 180
aaggcgacgc cggcgagtag gacgcgagta gggaattacg agatgggacg aactctcgga 240
gaaggaagct tcactaaggt gaaatacgcc aagaacaccg tcaccggaga tcaagccgct 300
atcaaaatcc tcgaccgaga aaaggccttc cgtcacaaaa tggtcgaaca gcttaaaaga 360
gaaatatcta caatgaaact gattaaacat ccaaagtgtg ttgaaatcat tgaggttatg 420
gcgagcaaaa cgaagattta tatccgttct tgaaccttgt caatggangt naactccttg 480
ataaaatccc nca 493
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<210> 17712  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-007-Q1-E1-C5

<400> 17712

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aagccaaagc tttgatcttt cattaattct tctcaagatc ttcagagtct acaaggaag 120
atcaaagtaa ttaaataagc ggaagtaaga ggaagtgatg ttttctctta tgtctggact 180
atggagttac atgttttagc agactgagtt taatgtgctt attcttggtg tcgacaaagc 240
tggaagacg acatttttgg agaaactgaa gacgatatac tcaatctcgg aaggtcttcc 300
tcatgatcga attgttccta ctgtggggct taatattggc gcattgaatc tcaatgctaa 360
aattgtgttc tggatctggg agtcancctg gtttgcggcc aattgggaga atactatgaa 420
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<210> 17713  
 <211> 451  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 17713

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ctaacgaagc cgacaacgaa tatcgtgcag aacaatctca gatcttcttt tcaatacata  180
gctcctcagg gacaagaaat cccgccgtat tttttcccgt cgttgtcgaa tctacagagc  240
tcaactcattt cgcgccctaa cgacactgct tcgctccagg aactcaacga acgtggattt  300
ctttaccctt ctggtcttcc ttcactcgaa ttcttcttgc cagaagttga tccttcaagt  360
gagccattgc ttctgtttcc taagaggaca ttccaaccaa gcactataag gcgtaaacgg  420
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<210> 17714  
 <211> 514  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 17714

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cgagaagacg acagaagggt acggctgcga gaaacgacag aagggtacgg ctgcgagaag  180
acgacagaag gggcacaaga ttcagctaca aggttctttg acttacctgc cgatgagaag  240
atgcatctgg tttctgataa ttttcaggag ccagtaaggt atggtaccan gcataaacca  300
ttcaacagac agagttcatt actggagaga tttcataaaa cattactccc atcctctctc  360
aaactggatc aatttggtggc cttccaatcc tcctgctac aaggaaaagg tggggaaata  420
  
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cgcaaaagca acgcatgttt tacataagca actaatttaa nctatctcaa aaatctaagn 480  
 cnnggggaaa aattccttcc nggaagaatt taaa 514

<210> 17715  
 <211> 391  
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 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 17715

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 aaattttcca atggggcgga agaagccgag tgctcgaggt ggagatgctg agcagcaacc 180  
 tcctgcgtca tctctcgttg gtgctactaa atctaagaag aaaggtgctc aaattgatga 240  
 cgatgagtac tcaataggta ctgagttgct tgaggagtct aaagttgagg aagagaaggt 300  
 tgttgttatc actgggaaga agaagggtaa gaaaggtaat aagaanggtg cgcaacaaga 360  
 tgatgatgat gatttttctg anaaaggttc c 391

<210> 17716  
 <211> 436  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-G8  
 <400> 17716

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 agttttcatt ttttctctaa aagtttggat tttgatttcg ttgctgaacg gaaaaagaat 120  
 cagctccttt cagtttaggg ttttggttt ctgtttggct tctatcagat gatgtgtgag 180  
 gagattcttc ctctgtttgt gtctgtttca gatggaagac aatgataagt ctccccctaa 240  
 ggattactat angattctag aagttgatta cgacgcaact gaggaattga tcagactcaa 300  
 ttatcggaag cttgcattga agtggcatcc tgataagcac aaaggcgata gtgcanctac 360  
 agaaaaattt caagagattt aatgaagctt ataatgtcct ggtggaccct gcnaaacggt 420

ttggntatga atttca

436

<210> 17717  
<211> 450  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-004-Q1-E1-B4  
  
<400> 17717

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ataccacaaa cagggagggtt accctggata tccgcctcag caacagggtg gatacccggtg 180  
ttatccgcca caggggtccat atggttaccg gcaacaaggt tatccaccac aggggtccata 240  
cngttaccg caacagcaag ctcatggtaa accgcagaaa ccgaacaanc atggtaaggc 300  
tggagctgga atgggactag gactgggctt ggagctggtt tattgggtgg gttgttggtt 360  
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ggtnggnttc catttcngat tgcctgtgtt 450

<210> 17718  
<211> 478  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-004-Q1-E1-B6  
  
<400> 17718

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caggtgaatt ctggaaaaca tcttgaagcg aaatcgagac atcgttggag gatcaaaacg 180  
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acatgggaat gagcgtgcct tggagggtt gcaagataga gtcattctct taaaacgact 360  
atctggcgat ataaatgaan agtcgatact cataaccgca tgcttgacag aatgggcaat 420

gatatggatc atncangnga tttctctcan gaaccatgga cgccttaaa acgnggtt 478

<210> 17719  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-004-Q1-E1-B7  
  
<400> 17719

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gggggtggtg atccgcgttt gctaagtact gtcgaagagg gatgtcatca tctcgagagt 120  
taccttcaga gaatcatcag atggaggcga atcgtgggtt tgccagttac gtatttaaag 180  
gggcagtctt ttacacgtca tacgccatga gtatgtaatt cgtagccggg aagaagatca 240  
tcatgcttct gcttctggtt cccttggcga ggtaaaagaa agaaaatagt ttgtttttgg 300  
atattatattt caaaaccac tagttggatc ttcattgtntc aacatgatca tcgtttcant 360  
ccgtcgatga cttcncaagn caagagagaa tgaaacgaat caatccctaa tggg 414

<210> 17720  
<211> 371  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-004-Q1-E1-D10  
  
<400> 17720

tgacagtgtt cttgtatatc ttaagcccta gaatggcata tcacttttctg gaatgtgtgg 60  
agagtcatgc atatgagact tatgataaat ttctcagggc cagtggagag gagttgacga 120  
atatgcctgc accggatatc gcagtaaaat actatacggg aggtgacntg tacttatttg 180  
atgagttcca aacatcaaga actcccaata ctccgaagac cagtaataga aaatctatac 240  
gatgtgtttg tgaacataag agatgatgaa gcagaacact gcaagacaat gagagcttgt 300  
cagacnctat gcagtctgcg ttctccacac tccattttan nagatgatga ngctgaagaa 360  
gaaccanggg t 371

<210> 17721

<211> 420  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-004-Q1-E1-D5

<400> 17721

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agaaggggga attcatgatt cacaaaataa ccaaacttc aatttataat cgtttccaat 60
cccaaatca agccatggac gccagaaca ccaaagctga tggagccaag aattttggta 120
cgagtggcgg aagcagtggg tctggtagca cttccgacat cggtaaaaca atggttgctc 180
ctggatctgg tggacgacaa agcgtttaga gggaggcttt tgagagcaac cctaagaagt 240
tctttgatga tcgtaacttc aaagagaaga aatgaaccgt ttaaataaag agcaagttct 300
caaaaagtga tgatatatct tgtttcttat tttcgtcttt gttagtgatc ctcnaaaggc 360
tccactaatt cacacatatg gtgggagtga agtnaaatta ttatcaataa taagntaata 420
```

<210> 17722  
 <211> 454  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-004-Q1-E1-D7

<400> 17722

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gcgtccgcga ngaagacgac agaaggggat ggagaagaaa ggtatccgtt caaacacgat 60
tgtgtataat acgttgatgg atgcttacia caaatccaac cacatagaag aagtggaagg 120
tctttttact gaaatgagag ataaaggctt gaagccttcg gctgcaactt ataacattct 180
tatggatgct tatgctagaa ggatgcagcc tgatatcggt gagacacttc tgcgggagat 240
ggagcgattt aggtttanag ccaaatgtga aatcgtaac gtgtttgatt agtgcgatatg 300
ggaggacgaa gaanatgagt gatatggctg ctgatgcttt cctgcgngtg aanaaagtag 360
gtttgaaacc ttcttcacat tcntacacag gctcttaatc atgcttactc gggttancggg 420
gtggnactaa aaaacttatg cttccctttg aan 454
```

<210> 17723  
 <211> 464  
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-004-Q1-E1-E2

<400> 17723

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tctctaccat taacatcgat cagaaagacc gagagagaga gggagaagct gattgattat 120  
ggctgctgct tcgattttctg caataggatg taatcaaact ttgataggaa cttccttcta 180  
tggaggatgg ggaagttcca tctccggaga agattaccaa accatgctct ccaagacagt 240  
tgcgccaccg caacangcca nagtctcaag gaaagcaatc agagcagttc caatgatgaa 300  
gaatgtcaat gaangcaaag gcttatttgc acctctangt tgttgtcaca cgcaacctan 360  
tangcaagga ntaagtttaa tcagctcang nggaaaaagc cattgccctt acactcgcan 420  
gtgattcact gagnttttgc aaaattccaa ttggnagccc aagg 464

<210> 17724

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-004-Q1-E1-E8

<400> 17724

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nnnnnnnnnn nnnnnnnnnnn nnnnnntgac ggctaaagaa acacagacat ggcagcgatt 120  
aaggaatctg ttttcaacgt cgtcttcgtc ttcgtcttcg tcggcgaagt ggaagcgagt 180  
tgagataata atgctgacag agatagtaga cggagtagtt tacaagggtca tgtatgtagt 240  
tgaagctttc gttctcgttt ccacgctctg cttcttctac ctctgttgtg gatgccacat 300  
ttgatccaat ttttgtttct ctcatatan tattctttcc aattcatact tcctctccta 360  
tggggggttag tgtagtctc agttttatac aaataagctt aaaanttaac cnggatcatt 420  
ccaaccctgg tntt 434

<210> 17725

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-004-Q1-E1-E9

<400> 17725

gcgtccgtac ggctgcgaga agacgacaga aggggggactc ctcccagcgc ttcaatatct 60  
cccaagaccc aaccatcgga gggagggggc gagatgatgg gattgagttc cttgggtcttt 120  
accgagtttc acancctcgg cttctctgac cttatagttt ttgttgcgcc actctggatt 180  
gctgtggctg ccggtgtttt ggttggttgg gtttgaagc ccaagtgggc ttatctcgat 240  
tctaaactct tgtccaattc acctaaattc ctcaatcttc agcttccac ttccatectc 300  
aaaacttctt ctcaccacgt taaccccagc ctttctttna aangagacaa ntgggtttgt 360  
naanngacna tantttnggn anccaggag ttggttgggg taaaanatgg ggccccctt 418

<210> 17726

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-004-Q1-E1-F10

<400> 17726

gcgtccgtac ggctgcgaga agacgacaaa aggggcacaa caccatggaa gtttcactaa 60  
gcaactgagg cattacattt ctgagttcga tccaagata ttgaggagat gcgcaaaacc 120  
aaggtcacat gaagcaaaaa gcctgataga aaagcagagt ttagctcttt ttggtcctga 180  
ggaaagcagc aaagagagca ttgtgacatc gttttctaag cctgaagagg ttgcttcttg 240  
aggctgtggc gtttggtacg tttctatggg acacagagga gtatgtagat ggcgcgttta 300  
agctcaagga gaatgagaat gcagaggaag aaacaaatac antgtttgaa gtatgtatga 360  
accagtttgc tanaagaaaa cttgaatanc ntttttggtg gacattgccn ata 413

<210> 17727

<211> 452

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-004-Q1-E1-F3

<400> 17727

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gccacgcgt ccgtatcact ctgcgtttct tccattgttg gaccatgcga gagctgatga 60
acagttatcc gaatgggaaa gagggtttct cccaatcgat cccggtgttg ttcttctcga 120
cattgctttc gtccccgacg aacctagccg aggggtttta cttggaacga gacagacttt 180
gttagagact aaagatggtg gaagcacttg gaatccacgt tcgattcctt cagctgaaga 240
agaagatttc aattatagat tcaattcgat tancctttaa ggcaaagaag gatggattat 300
tggcaaacct gcgattttan tgtacactgc tgatgctgga gagaattggg ataggattcn 360
tctaagttcg cagcttcctg ggagataatg gtgtttatan aagngacagg aagantnaga 420
gtgnangaga tggttactga tgaagggggc na 452

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<210> 17728  
 <211> 447  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-004-Q1-E1-F4

<400> 17728

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cagatcccaa accgacgaca ccaaccggga cgtcgtcgac aactcctgcc gaagatagta 120
gtacgacgtg gtcaccggta gatacatcaa tgatatacga aggagctttg gatcaaaaca 180
aaggatcacc gtccacgtgt catctttcgt tatgtggaat cacagtcaca cttgcgctgg 240
ccttttgtcg gatgtggcgg ctcttttgac acctaacttt gtctcccgcg taaaacactg 300
aagaatgtgg gccctcactg acgaaagcct tatctcgttc cggcccatgt gaaccggtta 360
ttcccgaacg actcngattg ggcanggttg anaaaaaaaaa gtttacaagc acctacangt 420
tacgaaaaat atcctccatc aagntca 447

```

<210> 17729  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-D7

<400> 17729

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aaaatcgatt ctgcanagtc atggaatttc tatgtgagtc aagccaagaa tcanaattgt 120  
cccattgtgg ctcatctcac tgcattatgg tgtattcctt ctgtgtttat gaactccttc 180  
ttcgaagagc ttgcgtttta ctataangat gctctgtttc taatagttga tgttgatgaa 240  
gttaaggaag tggcaagtca actagaggta aaggcgatgc caactttctt gttcttgaag 300  
gatggtaatg cgatggacaa actcgtgggc gcaaaccctg atgagattaa gaaacggggtc 360  
gatggtttcg ttcagtcctc acgtgttggt catantgcct aagagaaatt taaanattcc 420  
aaca 424

<210> 17730

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-003-Q1-E1-D8

<400> 17730

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atcatctgtg aagaagatgt gtgagttttg taaaacagtg aaacgtcgtg gacgtgtgta 120  
tgttatatgc tcttccaatc ctaagcacia gcaaagacaa gggttcagtt cctttgctta 180  
tgaaggaatt acaccttccc ctttgtttgc tgagccgatt gctagtcagg agttgggtgag 240  
gctgcctggt caggggggtat cagccggact ggcattcactt ttacacaaaa ggcctatgcc 300  
aacagcgtat ttcggatgga ggtctggtct tgcattcatt ctcttcaaac aaggaaatta 360  
ngatgtcagc atttcccttt ttaatcctca aatttgtaac ncaatttcc 409

<210> 17731

<211> 478

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-003-Q1-E1-D12

<400> 17731



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 caagacgaca gaagggggaa attgagagag agtagaacac taaattagta aaatggctgc 120  
 aaaagcatca aatttagttg ctcttcttct ctttttgttt cttctgcttc tatctatctc 180  
 ctcaagaatt ggactaggcg aggccaaacg caacctacgt aacaatttgc gtttggattg 240  
 cgtttcccat ccctctctc ctctctctca tcgttccatg gcccctccaa tttttgtacc 300  
 ggcttctaca tcacacanag gacaaggccc ataaacaaaa tcatacaagt aaccgagaag 360  
 aagtgatcaa aatttcatac caancnnnag aagtnatnaa gattccatat angaagaaaa 420  
 gagtattgtg ttangaagaa aggggtcaaag attttccttt aacnggggcc aagctttt 478

<210> 17732  
 <211> 293  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-E1  
 <400> 17732

ttgttctcaa agaaaataag atatgagggt cggaaactta acgctgagca gagacctcga 60  
 atcaaaggtc gtttcgtgaa gaggacgtca cttttgacgt gatttgattt actttaatca 120  
 acactttaaa gatcttgtaa ttaagacctt tgaagtaatt gtcgtaatgt actgaataat 180  
 gaactgaaac tcttggggcc gatgggtgtg tagacttgta gccggcaact atgattttat 240  
 agattgattg attnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncg gcc 293

<210> 17733  
 <211> 460  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-E12  
 <400> 17733

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 tgcgaagaag acgacagaag ggttacggct gcnagaagac gacagaaggg ctacggctgc 120  
 gagaagacga cagaagggtt acggctgcga gaagacgaca gaagggtac ggctgcgaga 180

agacgacaga angnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnntggct agtggaatcn ctctgggtcg tttanctgaa 300  
 gagaggaaat cctggaggaa gaatcactct catgggttttg tggcaaagcc gganacgggg 360  
 cacgatggaa ctgtgaatct aatggtgtgg gcattgcact atacctggta aanctgggac 420  
 tgaattggga aaggtggatc ctttccatta acgaatncca 460

<210> 17734  
 <211> 454  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-E3  
 <400> 17734

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 cggaggtcgt atccgatctc ccaccatctt ccccaaaggg ctacactgat cgccatgacc 120  
 cttccacttc ttctccgagc ccagtcgtg gtggtgacaa tcagtctgaa gtcatatcca 180  
 agagtatctg aatgtgacga ggaggggaag gtggaaatgg tgggcgaagg ggtaagttaa 240  
 aaaaagctta aaggaagcat ggggtgaatct gacttcattt gtgaagaggc aaagcgggac 300  
 aaggcagggtt atagtattag cgtttgagcgt aatcttactg atgcangtga cgatatggtg 360  
 cctactgaaa aaaaggaaga agggggcaag tggaaattca tgaaaaggta caacaagttc 420  
 agtgtaaacc ngggaaaacn tttgggttgg ttag 454

<210> 17735  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-E6  
 <400> 17735

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 acgtacctga tcgtagagat tttaacacct tccccagcca aattgatgct ggagtcttat 180

ttgcctgcct aaagcactcg tatttatgac tcagcagatc cggaaaacat tcagaaacgg 240  
 cttaaattgt tttaattggg gtgttgagaa aaagagagag aatttgtgtt acacatgagc 300  
 tgtangaatg acttcttatc aagcaactgt ttgctaattg aaaaacaagt ctaaactgtg 360  
 aaaaaaaaaa nnnnnnnnnn anaaaaaaaaan cggccgccct aaaggattaa ncc 413

<210> 17736  
 <211> 232  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-E8  
 <400> 17736

ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc 60  
 gagaagacga cagaagggta cggctgcgag aagacgacag aaggggatct cttnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnncggc cn 232

<210> 17737  
 <211> 412  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-F4  
 <400> 17737

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 gggccattgg gagaggccga ggacttgctt taccgccgtg gcagcttcga cccattgggt 120  
 ttggctaccg acccagaggc attcgcgtgag ttgaaggtga aggagctcaa gaacggaagg 180  
 ttggctatgt tctctatgtt tggattcttc gttcaagcca tcgtcaccgg aaagggacct 240  
 ttggagaacc tcgccacca tttggccgac ccagtcaaca acaacgcttg ggccttcgcc 300  
 accaacttcg tccccgaaa tgancggctg cttattatgt gaatgagaac anagaaagag 360  
 atttgtttgt ggtcaatccg tgtaaatttc gaacttcctt tgggnaacct tg 412

<210> 17738  
 <211> 398  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-F7

<400> 17738

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 tttgggtgta gcctttgtct tctacctcta cagataccct tcttcgccat cgacgggtgga 180  
 acaatcatcc acttccatct acaacatttc cgttaaggat attgaaggga aagatgtgag 240  
 tttgagcaag tttaccggga aagtgttctt tatagtcaat gtagcctcta antgtgggtct 300  
 aacacatgga aactacaaag aaatgaacat tctgtatgcc aagtacaaaa ctcaggggggt 360  
 ttgagatctt agcatttctt gcaaaccaat ttgggant 398

<210> 17739  
 <211> 446  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-F8

<400> 17739

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 gcgtggacag atgtttgata tgcaggggtgt tgggtcggaa ggaacaacct ttctgcggta 180  
 caaaatccca acacgtggac ttcttggatt gaggaacgca attttaacag ctactcgcgg 240  
 gacagctatc cttaacactg tatttgacag ttatggacct tgggccggtg atattagcac 300  
 ccgcgatcta ggttcgctgg ttgcctttga agatggaaca tcaacatcat atgccttggc 360  
 gagtgcgcag gagagagggc aaatgtttgt angttctgga gtggatgtat acaaagggtca 420  
 gatattggga tncaacaaaa aaccgg 446

<210> 17740  
 <211> 424

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-F9  
  
 <400> 17740  
  
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 gagagattcg taggggaccg atctatcaag gcttcaaggg caaacagaaa tggaccacga 180  
 caagacagga tgccaaagcc cacctgaagg tcccaagcta tgtactaaca actgcggttt 240  
 ctttggaagc gctgccacaa tgaacatgtg ttctaagtgt cacaaggata tgttggttcca 300  
 acaggagcag ggcgctaagt ttgcatctgc agtgtctgga acatcgtcac caancaacat 360  
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 ctgt 424

<210> 17741  
 <211> 438  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 17741  
  
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 atagctgcac cttcaagaag aaggcaccga atgccattaa agagatcagg aagtttgcat 180  
 tgaaagcaat gggaacaaag gacgttagag tggatgttaa actcaacaag cagatatgga 240  
 gcaaaggtat ccgaggtecc ccgaggagaa ttagagtccg tggtgcccgt aagagaaacg 300  
 atgatgaaga tgccaangaa gagttcttct cctcgtcac cgtcgctgag attccggctg 360  
 aangattatc cggtttgggt actaaagtca ttgaanaaaa aggggtgaaaa attggtgaat 420  
 gtcactcaca caacctta 438

<210> 17742  
 <211> 440

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-G10  
 <400> 17742

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 tggaagatct ccatttgtat ccaacaaaaa aaactctccg ggaacacgcc ggagatctca 180  
 aaacactaat tagctccgcc attaccaacc aggagacttg tctcgacggc ttctctcatg 240  
 acgacgccga taagcaagtt cgtaaagcct tgttgaaggg gcagatacac gtagagcaca 300  
 tgtgcagcaa cgctctagca atgatcaaga acatgactga tactgacata gccaaacttcg 360  
 agcaaaaagc taaaataacc tcaaacaacc gtaactcaag gaggagatcc aggaactacg 420  
 gggctgttaa atatcnccgg 440

<210> 17743  
 <211> 500  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-G11  
 <400> 17743

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 catcttcccc ggtgagacaa ccgccatctc aacacggggt cgaatcttca gcagctgcag 180  
 cggttgcagt gatgaaagcg agatcaaccg cctttgcgaa acgtagcttg agcttcaaac 240  
 cagctactca aacagcacca cagtcaatc tctcgattg gggatctcca aacgggaagc 300  
 tggaatgggg aatgatagga gaagagctga ataagatgag aagaagtgtt tcctttggaa 360  
 tccatgggaa acaacaacaa taangcacta gangactaca ggggancgag ccanatgtgt 420  
 catgggggta acccttttagg ttaangacca ttcggtgggg ttctgaaaan aacctttgga 480  
 atgaatgaaa aggggtncgg 500

<210> 17744  
 <211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-G7

<400> 17744

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tacgatttgc ttgcattgga ctccatctct ggtcgcagtc agaatgatac aaacttgttc  180
cctgatgtcg acagtacctg gaaaacgttt aacgaactac agaaactgat cagtaagaca  240
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aatttagaag atgcagccag gttgcttctg gaaacaaagt tccgaagatt acccgttggt  360
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<210> 17745  
 <211> 366  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-002-Q1-E1-G12

<400> 17745

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ctccggaaga ttcaaagatg tctccggcga attcgtttgg agctgtcggt ctcggcggtta  180
cgtttgatcg attacacgat gggcatcgaa tgttcctcaa ggcggcgggcg gagctggcca  240
gggatcggat cgtagtggga gtctgtgatg gcccaatgtt gacgaaaaag caattctctg  300
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<210> 17746  
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gcgtccgtac	ggctgcgaga	agacaacaga	aggggatggg	caagtcggca	agacttcgcc	60
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acagatccga	ctcagagact	gaatcaaact	cgagctccgg	gaccgagtcg	aacatgagct	180
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ctgagaagag	aangttggaa	atggaagtcg	acttgactca	gatggtgctt	cagactcatt	360
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<223> unsure at all n locations  
<223> Clone ID: LIB35-002-Q1-E1-H4

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gatctaaacc	ctccgcggna	cgattctcac	ttctctcgct	gtcgaatagt	gggaaaaaaaa	240
gcttaanaca	tctcacttac	ctgaaatggg	ttttgggtgag	aatgcattag	tccttaaaca	300
cttgggtaac	accactaana	ttcattttta	tgcgtttgac	ccactagctg	gttggaanca	360
ggaatggctt	ccanctgttg	aanttcctgc	tgcaacacaa	tgngaaattc	acgancaagc	420
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8558



<223> unsure at all n locations  
<223> Clone ID: LIB35-002-Q1-E1-F8

<400> 17748

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<210> 17749

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 17749

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acgatgccta taagtgcgac aatggtcgga gctttgctgg gtctcggtag ccagatgtac 180  
tccaacgccc tccgcaagct cccttatatg cgatcatcgt gggagcatgt ggtgggtatg 240  
ggacttggtg ctgtgtttgc naaccagctc gtgaaatggg atgtgaanct taangaanat 300  
cttgatgtna tgctcgctaa ggctagagct gctaattgagc gccgttactt tgatgaagat 360  
cgggattaan tttgcgtgat cnttgangtc ttcagagaan aaatatgtcc nctgaactca 420  
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<210> 17750

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-002-Q1-E1-H8

<400> 17750

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tccgccttaa cacagtccca tctcctccat ggatctccgg tcaattctct ctgcgctgat 180  
 ctcattcatc ccgctaatta ctctgcact gaacacagta ttcaaacaaa ggatgggttac 240  
 atattagctc ttcaacgtgt agcttctctt ggtccaagac ttcaatctgg tccacctgtt 300  
 ttgcttcagc acgggtctctt tatggctgga gatgtgtggt tcttgaattc accaaaagag 360  
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<210> 17751  
 <211> 450  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 17751

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 agtacggcag ggaggctcgt gacttcaaaa tccgagcttg acctcgatca ccctaacatc 180  
 gaagattacc ttccttctgg ttcttccatc aatgaacctc gcggcaagct cagcctgcgt 240  
 gatttgctag acatctctcc aacgctcact gaagctgctg gtgccattgt tgatgactcg 300  
 ttcacaagat gtttcaaadc aaatcctcca gaaccttggg actggaatat ttacttattc 360  
 ccactatact gctttggggg tggtgttaga tactgtatcc tctttccctt tgaagggtgct 420  
 caccttnact tttgggtgga taatttcctt 450

<210> 17752  
 <211> 360  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-A3  
 <400> 17752

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 aaggattctg atggtatgtc gaagatgcac gtccttagcc gcggaaccaa aaaaggaagt 180

ctcgcgtgatg atgatgatga ttcacttgag attgatcctc agcttcgtta cagcttcaat 240  
 ccgcaactat cagttcctgc aaagtgtant cactatagac actttggtga aacctcttcc 300  
 tccttcaatg ggcattcaat gtctctcgca acttggagcn tcttcacccg gcantttcaa 360

<210> 17753  
 <211> 512  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-B1  
 <400> 17753

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 cggctgcgag aagacgacag aaggggagag tagagattga taaaaaaaat gagtagctcc 120  
 gattctcttc agcttcacaa tatcttcgtc tatggtagct ttcaagagcc tgacatcatc 180  
 catgtcatgc ttaatcgat tcctgagatt gtctctgcaa cacttcctgg cttaagaga 240  
 tttaggctta aaggacgttt gtatccatgt attatcccct ctgagaatgg agaagttcat 300  
 gggaaaggta ctaatgggat tgactaatga tgaactttga gaatgtanat tggggttgaa 360  
 agaaacgaat atgaaagagt gtttgttgaa gttgtaagaa aagacnattc tgagaagatg 420  
 agaattggaa acatatccaa gggatnaaca ngaatgattc tgaaanttgg tggaaaatgg 480  
 gganttcnan ngaatggaaa acgaattcnc ct 512

<210> 17754  
 <211> 376  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-B4  
 <400> 17754

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncctgtgtt 240

tgtattatcc tgtgatccgt ccacttaagt ttaactggga gatttaaggc aaaagacaaa 300  
 gttggtggct tcagcattaa attccatata catggagatt gtgggancaa gtttcaaata 360  
 taacaanttc ctatgc 376

<210> 17755  
 <211> 461  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-B9

<400> 17755  
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 gagattaaga atggcgaatc aaggagcgaa gaaacgaaag gaagagaacg ccaaacacat 180  
 ggctaagctc cgtcgtatca tcacgcttc caatgctgtg tatttcgttg tgaggatgtt 240  
 gattttctac tcaagcttta cttggaaaca ttggatcggg ttaagtgata acttcgctgg 300  
 cttacgcgtt tccttataag cagcttgatc aaatggctaa acctagtgtt actgatgatg 360  
 gtgagcttat tgatgggtggg atttgacatg accactgggg ggaatctgcg ggtaatttgc 420  
 acgaagtcac ccatatcact tgcnttgctc aactaacctc c 461

<210> 17756  
 <211> 284  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 17756  
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 gagaagacna cagaagggtg cggctgcgan aagacgacag aagggtacgg ctgcgagaag 120  
 acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcna ngaagacgac 180  
 agaagggtag ngctgcgaag aagacgacag aaggggnnnn nnnnnnnnnn nnnnnnnnnn 240  
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<210> 17757  
 <211> 459  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-C12

<400> 17757

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gaagatttct cgtttcatat ttcgacaaac ttagaatctg cttatcatct gagccagctt 180
gcgcattcctc tgcttaaggc ttcaggatgt gggaacataa ttttcatgtc ctctattgct 240
ggagttgtat ctgctagtgt cggctccatc tactctgcaa cgaaaggggc attgaatcag 300
ctagcaagga acttggcatg tgagtgggct agtgatggca ttagggctaa tgctgtggct 360
cctgcagtca tcgcaactcc tttggctgaa gctgtgtatg atgatgagtt caagaaagtg 420
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<210> 17758  
 <211> 404  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-C2

<400> 17758

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tgttaaaaag cctgaacctg agaaaccanc tgaatctatt gcatatcctg ttccgatgaa 180
ctacgcgtac caattcaatc ctgcctatgc aaattcttac tatcatcaac catacggaaa 240
ttgtagantg gtagacgaac caaattgtgt gattatgtga ttgttcnagt gttatttcaa 300
ttaatgctca nttatntaac acttataagt tttgatagaa antatgtaat tttttcccta 360
aaaaactgtt tgtaataagt taattttttg gtccaccngt ggta 404
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<210> 17759

<211> 231  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-003-Q1-E1-C4

<400> 17759

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acgacagaag ggtacggctg cnagaagacg acagaagggt acngctgcaa gaagacgaca 180  
gaagggcttt tcacaaaaaa aaaatcgaat aaaattaaaa nnaaaagcgg c 231

<210> 17760  
<211> 469  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-003-Q1-E1-D1

<400> 17760

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gcnagaagac gacagaaggg gttgcttaat gatcccagaa tcccantagt agctctactc 180  
aaagtcaaca cagctaccgg aagaagattc gagtctctcg gaaatggnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnncgagaaa tcagacggcg gagaagggaa 300  
ggcgtcgtgg gtggggaagg acgggaaggt gtaccatagc cacgatggac tcgcacctca 360  
ctcacacgaa cccatctact ctcttggtta cttcagtcgc cgagctctc cgcttcacga 420  
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<210> 17761  
<211> 417  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-003-Q1-E1-D11

<400> 17761

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 aaaaatcgac attaattggct gacgaagatt acaacgacgt cgatggcttg ggatatgagg 120  
 atgagccagc agagcctgag attgaagaag gagtagagga agatgttgaa atgaaggaga 180  
 atgatgatgt caatggtgag cctattgaag ctgaagataa agtcgaaaca gaacctgtgc 240  
 aacgtccacg caaaacgtca aagtttatga ccaagtatga gcgtgctcgt atcctcggca 300  
 ctgcgcgttt gcagattanc atgaatgctc ctgtcatggg tganctaaag ggnaanacgg 360  
 ntcacttgaa attncannaa gggagcttaa ggcagccgga agataccatt cactant 417

<210> 17762  
 <211> 422  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-003-Q1-E1-F5  
 <400> 17762

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 taatcagccg cagatgtctg agctccggga gttacgtctc agaaatgcag aaatcagctt 180  
 tccagggcaa cattttgcga ctgatccgta atgagattga gtacgaactc gatcactcgc 240  
 ctctcttca gctcctaac agttttggc cattcactgt ggatgaacgg cctggagagc 300  
 agtggattag cttgaaaagg aattttgggg gataaagagg acatcaanaa ttgaagcaac 360  
 tatgtttgat agatcagttc cccacggtca aaatctacca aaactgaanc tgaataattc 420  
 ct 422

<210> 17763  
 <211> 458  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-017-Q1-E1-G4  
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atggtgctcc aaaacgacat cgatctcctt catccgccac ctgagcttga gaagagaaag 120  
cataagctca ggcgtctcgt gcaatctccc aactccttct tcatggatgt taagtgtcag 180  
ggatgcttca acataaccac tgtgttcagc cattctcaaa ctggttggtt atgtggaaac 240  
tgtcagacag ttctgtgcca gccaccggt ggtaaaagcg aggctacaag aagggacgct 300  
ccttcaagga anaagttgag aattgagatt tcncgaatcc gttcaaccct tccgcaaaat 360  
gtttttgcct tantaagttt tggataacct aatgancgtt ttttcngcct aatganaana 420  
attttggatg gcnagggtaa aacctaccaa acctgggt 458

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<211> 417  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-018-Q1-E1-E1

<400> 17764

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ctcagggtcat tgtttctcaa tggcttcgag caacacgact actgggggttg ataatacgtt 120  
tagaaagaag tttgatgtgg aagagtttaa ggagcgtgct cgtgaacgcg aaaagaagga 180  
atcggatcgg tctaaatctc ggtccaaagg tcctcctgtg caaagagccc ctttgaagca 240  
tagagattat catgtagacc tagaatctcg tctgggcaag acacangtcg ttacaccggt 300  
agcgcctcta aagtcagcan gctgggttaa ttctgtcncg tttgtgaant gtgttgtaa 360  
agattcggca aactacttgg atcacataaa tgggaaaaaa catcaaangg cattggg 417

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<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-009-Q1-E1-A10

<400> 17765

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agatgagaga ctagtctctt acatcaagtc tcacggtgaa ggtegttggc gacctcttcc 120



tagagccgct ggtctccttc gctgcggttaa aagctgccgt cttcggtgga ttaactatct 180  
 ccgacctgat ctcaaaagag gaaactttac acatgatgaa gatgaactta tcatcaagct 240  
 tcatagcctc ctaggcaaca agtgggtcttt gattgcggcg agattacctg gaagaacaga 300  
 taacgagatn aagaactact ggaacacaca tataaaagagg aagcttttga gcaaagggat 360  
 tgatcaagcc actcatagag ggatnaacga ngcaaaaatt ctgatttgaa gaaaacaaag 420

<210> 17766  
 <211> 389  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-021-Q1-E1-F10

<400> 17766

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 tacatatata catatagaga tcaacaaaga tgggaagatc accatgctgc gagaaagctc 120  
 acatgaacaa aggagcttgg actaaagaag aagatcagct tcttggtgat tacatccgta 180  
 aacacggtga aggttgctgg cgatctctcc ctgcgcgcgc tggattacaa agatgtggta 240  
 agagttgtag attgagatgg atgaattatc taagaccaga tctcaanaga ggcaatttta 300  
 ctgaaganga agatgaactc atcatcaagc tccatanctt gctcggtaac agatngtcnt 360  
 taatagctgg gagattacca ggangcatc 389

<210> 17767  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-049-Q1-E1-F4

<400> 17767

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 gacagtgcac taataagtat ggagaaggca aatggcacca agttcctgta agagctgggc 120  
 taaaccggtg caggaaaagt tgacgttaat cctccatgcc ttggacttaa catcaataat 180  
 gtttgtagaca atagtatcat atacaacaaa gataagaaga aagaccaact agtgaataat 240

ttgattgatg gagataatat gtggtttagag aaattcctaa gaggaagcc aanaggtaga 300  
tatttttggtt cctgaagcga cgacaacaga aaanggggac accttggctt ttgaccgtt 360  
gatcaacctt tggagtcnt ttcgattgga gaanactgtg aaaattggat tantggttt 419

<210> 17768  
<211> 263  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-054-Q1-E1-H3  
<400> 17768

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aaggaccatg gactcctgaa gaagatatca ttcttgtttc ttacattcaa gaacatggtc 120  
ctggaaactg gagatcagtt cccaccaaca ctgggttatt gagatgcagc aaaagttgta 180  
gactgagatg gacaaattat ctgagacctg gaattaaacg tggaaacttt actcctcatg 240  
aagaaggaat gatcattcac ttg 263

<210> 17769  
<211> 397  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-052-Q1-E1-G6  
<400> 17769

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ttgaaagaaa cccacagcaa caaacagaga aaatgtgtgg cggtgctatt atttccgatt 120  
atgccccctc cgtcaccaag gccaaaggcc gtaaaactcac ggctgaggaa ctctggtcag 180  
agctcgatgc ttccgccgcc gacgacttct ggggtttcta ttccacctcc aaactccatc 240  
ccaccaacca agttaacgtg aaagaggagg cagtgaagaa ggagcaggca acagagccgg 300  
ggaaacggag gaagaggaag aatgtttata gagggatacg taagcgtcca tggggaaaat 360  
gggcggctga gattcgaaga ttcacgaaaa ggtgttt 397

<210> 17770  
<211> 400

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-053-Q1-E1-A2  
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 gcggaggagg cggcggctcg tggtatcana tcccgatgtc ncgtcctgtc tacnttttgg 180  
 acctgatggg gatcggtaac gtacagtcgt ggtcagcctc ctctgtgac atcggcgtct 240  
 anatcgccgg tgggtgcatgt tgcnacgaat atggnttggt gtgccccaaag cnaactctgat 300  
 tcgtcatcgg tcgttgattt cgaangtggg atggagaaga gatccantg ttagatntag 360  
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<210> 17771  
 <211> 367  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-D2  
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 cgagaagacg acagaagggt acggctgcca gaagacgaca gaagggtacg gctgcgagaa 120  
 gacgtcagaa gggtagcgtc gcgagaagac aacagaaggg tacngctgcg agaagacgac 180  
 agaagggtac ngctgcgaga agacgacaga agggtagcgc tgcnagaaga cgacagaagg 240  
 gtacngctgc nagaagacga cagaaggata ccgctgccaa aagacgacag aanggtaccg 300  
 ctgccagaag acnacanaan gataccgctn ccaaaaaach acagaagggt acgntccaa 360  
 aaaacca 367

<210> 17772  
 <211> 201  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations

<223> Clone ID: LIB35-006-Q1-E1-A10

<400> 17772

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cgtccgtacg gctgcgagaa gacgacagaa nggtacggct gcaagaagac gacagaaggg 120  
tacggctgca agaagacgac agaaggggtac ggctgcaaga agacgacaga aggatacggc 180  
tgcgagaaga cgacagaagg g 201

<210> 17773

<211> 72

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-007-Q1-E1-C10

<400> 17773

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tcgaattgac ga 72

<210> 17774

<211> 73

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-009-Q1-E1-C4

<400> 17774

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tcaagctgtc cct 73

<210> 17775

<211> 176

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-010-Q1-E1-E6

<400> 17775

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atgtttttaa aaggtgaaga aggtccagaa ggatcaacgc aaatatataa atggattttc 120  
atgtattata taatttaatt agtgtattaa gaaaataaaa cagatgttga agttta 176

<210> 17776  
<211> 370  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-014-Q1-E1-E9

<400> 17776

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aaggaagctt aaagatcaat ggctccagcc gtctgaatgg ctctggaaga gtggcggtgg 120  
ctcaaaggct tagacttgct gtcagagctc agcagagtga ggagacttct cgccgggtccg 180  
tgattgggct tggtgctgct ggttttagctg gtggctcggt tggttcaggct gtcctcgccg 240  
atgctatttc gatcaaagtt ggccctcctc cagctccttc cggtggcctt cctggganag 300  
ataactcaga ccangcaaga gactttgcat tggcattggn anacnggttt tacttacanc 360  
cattgccacc 370

<210> 17777  
<211> 70  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 17777

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acccgttccn 70

<210> 17778  
<211> 405  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-H10

<400> 17778

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 ttgaagaaac agaagttaat ggaggacacg attcatgaga tctccagtct tgaacgacga 120  
 atcaaagaga acagtgagag atgtcgagct gtaaaacaga ggcttgactc ggtcgaaacg 180  
 gagaacgcgg gtcttaaadc ggagaagatt tggctctcga gttacgttag cgatttagag 240  
 aatatgatcg cctacgacga gtttaacgcc tgaacgcna atggtgggtg gccaanagt 300  
 gtcnaacgat tcngaacggc aaaacgccc ggaatnncg gttgggagaa ttgttaaacc 360  
 gtttcaaccg tnggaaaatt tgaagtttgt tgggtcccct accaa 405

<210> 17779  
 <211> 414  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-027-Q1-E1-E6  
 <400> 17779

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 ctcttaaaat caaacgtaat cataaataaa gatcttcttg tttaatttct cttgatcttc 120  
 gcaaaatcac agattcttga aattcttttt tcttgtcttg aaattcttga gttcttgagt 180  
 tatgaaaaga caatggacag agttatgaaa tgataaatct caaccaattc cttgtttatc 240  
 attctatatc agttgtgatt cttcattggt tttacgttat ctcttgaaca aaaaaacatg 300  
 gcaaacgcag agaagacaag ttcagggtcc gacatagatg agaagaaaag aaaacgcaag 360  
 ttgtcaaacc gcgaatctgc aaggaggctc cgtttgaaga aacagaagtt aatg 414

<210> 17780  
 <211> 336  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-034-Q1-E1-H12  
 <400> 17780

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 gcgggttgagg cagcaaggaa cgcaactaac ggaagagAAC gagcgacttg gcatacaaat 120

atgtaacaat gtgcatgcac acggtggtgc tgaatcggag aacgctgctg tgtacgagga 180  
aggacagtcg tcggagtcta ttactaacgc cggaaactct accggagcgc ctgttgactc 240  
cnagagctcc gacacttccc ttangctcgg cttaccgtat ggtggttaga gatggaacaa 300  
ttcaaagaag ttgatggant gaggaaagta tgtaa 336

<210> 17781  
<211> 424  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-022-Q1-E1-G2  
  
<400> 17781

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tcaagaaact tacaagatct ggtggaaacc atggaagaag gagatttttt caactgctgt 120  
ttcagcgaga ttagtagtgg catgaccatg aataagaaga agatgaagaa gagcaataac 180  
caaaagaggt ttagcgagga acagatcaag tcacttgagc ttatatttga gtctgagacg 240  
aggcttgagc cgaggaagaa tgttcaagta gctananagc taaggctgca accaagacaa 300  
gtggctatat ggtttcaaaa caaagaaggg ctcgatggaa aactaagcaa cttgaagaaa 360  
gagtntaaca ctctagagc caanttcaac aatttggcnt cacaattttg aaatcatgaa 420  
naaa 424

<210> 17782  
<211> 382  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LILIB35-013-Q1-E1-F11  
  
<400> 17782

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ttcagcgaga ttagtagtgg catgaccatg aataagaaga agatgaagaa gagcaataac 180  
caaaagaggt ttagcgagga acagatcaag tcacttgagc ttatatttga gtctgagacg 240

aggcttgagc cgaggaagaa ggttcaggta gccagagagc tanggctgca accaagacaa 300  
gtggctatat ggtttcaaaa caagaagggc cgatggaaaa ctaagcaact tnaagaaaag 360  
atttaacact cctaaagnca at 382

<210> 17783  
<211> 392  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-042-Q1-E1-G11  
  
<400> 17783

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gacaattaac cttgacctaa agagaggagg aaacggaagg ttcttgaaaa ctgcggctta 120  
cggacacttt ggaagagacg accctgactt cacctgggaa gtcgtcaagc cactcaagtg 180  
ggacaaacct caagcttaaa ttttacctac tctgtttctg tcttcattcc acaaaccaat 240  
tatctgctca cttttttatt tctctgtttt tgtggtttat tgtgtttatg tatcattgta 300  
cttgagctat ttcaattggg tgtttgtttt tatggcgact ttacacggc ttggagtaag 360  
tttcatgttg ttcttatata attataacca tg 392

<210> 17784  
<211> 423  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-052-Q1-E1-D8  
  
<400> 17784

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ctccaaacga cgcaatggtc tcatcgacaa agctcgacaa ctttcgattc tctgtgaatc 180  
ctccgtcgct gttgtcgctg tatctgcctc cggaaaactc tatgactctt cctccggtga 240  
cgacatttcc aagatcattg atcgttatga aataacaacat gctgatgaac ttagagcctt 300  
agatcttgaa gaaaaaattc agaattatct tccacacaag gagttactag aaacagtcca 360  
aagcaagctt gaagaaccaa atgtcgataa tgtaagtgtg gattctctaa tttctctgga 420



gga

423

<210> 17785  
<211> 202  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-039-Q1-E1-A3  
  
<400> 17785

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ataatgactt gtgaagtttg agttcgtctc cttcacaagc aagttgtatt ggtgttttct 180  
actttatgaa tatgggtttt at 202

<210> 17786  
<211> 366  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-004-Q1-E1-H9  
  
<400> 17786

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gcgaatcgag aacaaaagca gtcgacaagt cactttctcc aaacgacgca atggtctcat 120  
cgacaaagct cgacaacttt cgattctctg tgaatcctcc gtcgctgttg tcgtcgtatc 180  
tgctccgga aaactctatg actcttcctc cggtgacgac atttccaaga tcattgatcg 240  
ttatgaaata caacatgctg atgaacttag agccttagat cttgaagaaa aaattcagaa 300  
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cgataa 366

<210> 17787  
<211> 442  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-043-Q1-E1-F9  
  
<400> 17787

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gaagcaaaaa acattgtggg tctccggtga ttaggatcaa attagggcac cagccttatt 120  
ggaggaagaa gccatgggta gaaaaaaaaagt cgagatcaag cgaatcgaga acaaaagtag 180  
tcgacaagtc actttctcca aacgacgcaa tgggtctcatc gagaaagctc gacaactttc 240  
aattctctgt gaatcttcca tcgctgttct cgctgtctcc ggctccggaa aactctacaa 300  
gtctgcctcc ggtgacaaca tgtcaaagat cattgatcgt tacgaaatac atcatgctga 360  
tgaacttgaa gccttagatc ttgcagaaaa agctcggaat tatctgccac tcaaagagtt 420  
actagaaata gtccaaagca ag 442

<210> 17788  
<211> 243  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-011-Q1-E1-A10  
<400> 17788

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ctcaagggtga aagtcgttgg cgacctcttc gtagatccgc tgggtctcatt cttatgctgt 180  
catagctgcc gtcttcggtg gcttaaatat cgccgacctg atttcattca gaggaagttt 240  
att 243

<210> 17789  
<211> 432  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-030-Q1-E1-C8  
<400> 17789

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aagttgatga agatggccaa cactgtccgc actggcggaa aggggacagt aagaagaaag 180  
aagaaggctg ttcacaagac cactacaacc gatgacaaga ggctccagag cactcttaag 240

agagttggag tcaattccat tcgcgccatt gaagaagtta acatttttaa ggatgatgta 300  
ctcattcagt tcattaaccc taaagttcaa gcttcaattg ctgctaacac atgggttgtg 360  
agtgttacac cacagacgat aagattgcaa gacattcttc ctcagattat cggccaactt 420  
ggaccagata ac 432

<210> 17790  
<211> 386  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-042-Q1-E1-B7  
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cttatggata ctgatcttca tcagattatt aagtcttctc aagttcttgc aattgacgat 180  
tttgatgaaa atgagctcca agaggctgac aaaatgataa aggaggaggg gaagtttctg 240  
tgtgtgtcaa tgggacatga gaacaagaca cttgatgatt ttgtagaagc tcacaacaca 300  
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gggaacgcgg acaaagttgc agcttt 386

<210> 17791  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-043-Q1-E1-H9  
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ccgataaaaa gatccggcga tgtcaaaccc gaccgtaag aatatggaga ggattaaagg 180  
tccatggagt ccagaagaag atgatctggt gcagaggctt gttcagaaac atgggtccgag 240  
gaactggtct ttgattagca aatcaatccc tggacgttcc ggcaaactct gtcgtctccg 300  
gtggtgtaac cagctatctc cggaggtaga gcaccgtgct ttttcgcagg aagaagacga 360

gacgattatt cgagctcacg ctccgtttgg taacaagtgg gctacgatct cgcgtectct 420  
 caat 424

<210> 17792  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-005-Q1-E1-F1  
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 tggctccgcc gtcacaaccg taatccctcc tccaccatct ggatctgcat caatagtcac 180  
 cggaggagga gcgacatacc accacctcct ccagcaacaa cagcaacagc ttcaaagtgt 240  
 ctggacatac cagagacaag agatcgaaca ggtaaacgat ttcaaaaacc atcagctccc 300  
 tctagctcgt atcaaaaaaa tcatgaaagc tgatgaggat gtgcgtatga tctccgccga 360  
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<210> 17793  
 <211> 370  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-045-Q1-E1-B6  
 <400> 17793

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 gtccaccgtc agaagcgtaa tcgctcctcc atgatctgga tctgcatcaa tattcaccgg 180  
 atgaggaccg acatagtacc acctcctcca gcagcaacat cagcagcttc atctgttctg 240  
 gacagaccac agacaagaga tcgaacaggt aaacgatttc aagaaccatc agctctctct 300  
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 <211> 453  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
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 tggaagggtt cgagttcgtc atcgacagag aagccgctat ggtttctcag actatccgaa 180  
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 atataagcac cacaatacta gagaagattt gccagtactt ctattggtct cttcaatact 300  
 ctagaggcan agagacagag ttcatattg agcctgaact gactctagag ctgatgatgg 360  
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 <213> Arabidopsis thaliana  
  
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 aaagacggtg gtaactgtct ccggaaaatt tgtttctttg ccatttcacc ggatcagctt 300  
 aggtttttac atactcggag ccctgacaga gttgattctt ttgacgtttc gtctccgatt 360  
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 agagctgact c 431

<210> 17797  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-042-Q1-E1-H4  
 <400> 17797

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 tgtacgtcgg aaatttggac ccgcgagtta ctgagcgtga acttgaggat gagttccgtg 180  
 cctttggagt tgtcaggagt gtttgggttg cccgtagacc acctggttac gcttttctag 240  
 atttcgaaga tcctagggat gcccgatgat ctatccgtgc tttagatggc aagaatggct 300  
 ggagggttga acagtctcac aatcgagggt agcgtggtgg cggcggtcgt ggtggtgacc 360  
 gtggaggtgg tggcggcgcc cgtagtcgca ctctccaag atacagaagg agcctaagct 420  
 atgga 425

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 <211> 411  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-005-Q1-E1-A1  
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gacgacgacg acgaagatga gagagacggt gaagttgata agcatggaag gtttcgagtt 120  
 cgtcatcgac agagaagccg ctatggtttc tcagactatc cgaagcatgc tcacttctcc 180  
 aggtgggtttc tcggaatcga aagatggcgt agtgactttc cctgatataa gcaccacaat 240  
 actagagaag atttgccagt acttctactg gtctcttcaa tactccagag gcaaagagac 300  
 agagtttcat attgagcctg aactgactct agagctgatg atggctgcta actatcttca 360  
 cacttgaaga atgaaaagga taacgctgtt gaatcttatt cgacttgtgt g 411

<210> 17799  
 <211> 327  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-026-Q1-E1-H4  
 <400> 17799

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 tccgagaagc cgaccttgat ggcgatgggt ttctttcttt ccacgaattc tctaaaatga 180  
 tgattgctgc ctcttggttag cattttgtga aatgccatga tttaagagtt tgtttttgca 240  
 caattacaac tatatttcaa tatgttacta tattttccca acatataatt aaagtgtgtg 300  
 ttactgtaaa aaaaacataa cacagtc 327

<210> 17800  
 <211> 394  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-056-Q1-E2-D2  
 <400> 17800

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 taataccaat ccttttgata acagtaccgg agaacaaaaa gtacaagaaa gtcctttgga 180  
 agctattgat agacatttga aagatgacac aacaattcat tggtcagctc acaacgttca 240  
 agtaatagga aaaggagaga aaggtaaaga taaagacacc gtggaaagcg aagtgtatca 300

tttagaaaag agagaagctt cttcagagag agacacagag catgactttg ctgaagaaag 360  
aagtccactc naaagcagaa ggtatgagaa cntt 394

<210> 17801  
<211> 405  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E2-D3  
  
<400> 17801

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atggaacacc gttccgtgag agaaaacatg gtttgtatct ttgagagtta cgccggagat 120  
attgggtggc gtcactccga aagccccatc accggtatac cgataaggga atgagaccaa 180  
aagtggacgc tagtgggtac gaatggcagc ttcggtaggt aactatgatt acatcattga 240  
ttacgaattc caaactgatg ggcttataaa agctaangtc gggctaagtg gaataactaat 300  
ggtgaaaggg acaacatatc aaaacaaaaa ccaagtggga gaaagataaa gacngtaatg 360  
aagaaaaact tcacggaacc cttctgtctg naaaagttaa ttggg 405

<210> 17802  
<211> 396  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E2-D4  
  
<400> 17802

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aattcgtcag cgtgaagcaa tctccaatct aatcgcagca tatcttctcc gattcctatt 120  
cgtctctgca attgaatctt ccggtaaagc aagatggcga cgtctgagag gatttggtgc 180  
ggaggaggaa gtgcatgcgc cgttcgttgt gatcgctgca cgttaaattt gaattctcga 240  
tcgtcatgtg ttgttccaag tgacgaatcc gacggaatat gtgtgcatc gggaagattt 300  
cgatgtcgat ggaggatttg tcaccaccgt ctgcggcggt gaagattgaa nggatchgtg 360  
ggaanggaaa cgccgtgggt ntgttgtgtc caaggg 396



<210> 17803  
<211> 405  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E2-D5

<400> 17803

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cagagttata tagaagagcg tgagcgtgaa gtcgctgagc gagaagctgc ctggaaagtt 120  
gagctctctc gccgtgagac ggagatcgct agacaggaag cgaggttgaa gatggagaag 180  
agagaatctg ggagaaggag aagagtgttc ttatggggac tgcgtcgaat cangataatc 240  
aagatgggtgc tctgggaaat tactgtgagt ggtgagaaat atcgggtgtct tagattctct 300  
aaggctaaag aaatgangtt ggaaattgga tctggattct aaatttaagg cacaaaagga 360  
aaagatttgt tcctgcnttt aataatggat ccaatgggga antgt 405

<210> 17804  
<211> 486  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E2-C9

<400> 17804

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tgcggtggct gccgcgtctt ccacccaag gtagaaattc ttggccaaaa gccccggttc 120  
gatccaacaa ttctgattcc aaacactgca aagtatactc aagcgaattc gggtcttctg 180  
atgtgcagat tgcgcagttc gctgagcgga atccggacgt gctgttcctg caagtcaact 240  
acgagaagca caagtccatg tgctacagcc tccatgtcca tgcctcctt ttcttcaggt 300  
tctacagggg agctcagggc agggtcagca gcttcagctg caccaatgca accgtaagtc 360  
tcaattgtat actgtaaaac gtttctgctt actacaaaaa tggttctcat acacgtttta 420  
gatgagatga atgctgacat gcttgctgca attcgattcg attacagatc aagaagttca 480  
aggacg 486

<210> 17805  
 <211> 246  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E2-D9

<400> 17805

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gcgtttatgt tcctagatac aaacctgtga tgcattgcgtt ccgtgttctt cttcctttgt 120
agtgtggatg tttgagatcg cgatccggat ttcgctagcg ttctgttata acttacctgc 180
ttcagatcta gttcgagtaa aataggtctt tatgcgataa agatcatcat gaacactgtt 240
cctgca 246
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<210> 17806  
 <211> 406  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-056-Q1-E2-E10

<400> 17806

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aagaatggcc gacgaagaag attctctctc tcaattcgat atatccaaag aggaaacgga 120
taagttagtt tcagaggtga ttagattcat actgttcaag tttcaccaaa gctcaggaac 180
tccaattaaa agagaagatt tgactcagat tgttactaag aactatcgtc aacgaaatct 240
cgctacacac gtgattaacg aagcgaagaa gaagctctct aatgtctttg gttatgattt 300
gaaagaactt caacgtgctc gttcttcttc tactgggtcaa tctaggcttc ctcagtcaca 360
agagttctgt tgactcgaaa tcgtatgtgc ttgttantga attgcc 406
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<210> 17807  
 <211> 493  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-056-Q1-E2-E11

<400> 17807

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cagaagggga gctagaacat gattacgccg atttttacaa aagttgtgta caatgagaga 180  
gcgtggcata tccgtccgct atcggtttac aacaggggat ttgaggagaa ggctgagaga 240  
ggaaagaaag cgaacattga tgaggctgaa tgcctcaa at ggcttgactc caagaaacca 300  
aattcagtca tttatgtttc ctttgggagc gtggctttct tcaagaatga acagttattc 360  
gaagatcgct gcagggttag aagcttccgg tacaagtttc atttgggttg ttaggaaaac 420  
caaagatgat aganaagaat ggttaccaa anggttcgaa ganaaggggtg aaaaggaaaa 480  
gtatgataat aaa 493

<210> 17808

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E2-E9

<400> 17808

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gaccttgacg gaactcgacg aacagtcgag gactgcatgt attcaccaat gagaagactg 180  
gagttttccg atggtgtgtc tgttgagggc tcaaggatct caaccgcaag gcctcgttca 240  
gaaaaaggca aggtgaagcc aagcagcagc aaagcacagc tgcatacttc gacaccagaa 300  
atcagctctc gcaactgtga caagatcgat cctatagatg agcagaatga aacagtcatg 360  
accaagtct ctcgacgggt gcacgatgac ttgctgaaga tcaaatcaga ggctcctcag 420  
catgcatttc 430

<210> 17809

<211> 391

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-056-Q1-E2-F8

<400> 17809

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tggctaagct tgaagctgct cttgcgtcga ctaagacaga cattccggat gctaaacttg 180  
tggaggaaaa caaacaactt cagtcaaagc tcgaagaagc taacgccact gtgaagcaag 240  
aacagactaa ggtgaaggac ttgaccattg aaaacgccaa gcataagtac cgtatattgc 300  
atcttgtgcg gggctctaaa ggatgctgat caagaagctt gagaagctct ctaaattgatt 360  
tcantctccg tccctttttt taatccctcc c 391

<210> 17810

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E2-F9

<400> 17810

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ccagtaactc ggagcatttg cggtgatttt cgacgggtcta gtagatgcgc caagtcttga 120  
agcgtacgca tgcaatgaag cactcgctct cgccatagat ttctacatat cacatgtgat 180  
aatagcctca gattgtatgc aggtcatctc agacatcaac cagggcacac aatcctctta 240  
ttcaatggtc ctcatgaga ttaaataac tccctccgtt cctaaatata agtcttttta 300  
gacatttcaa atggactaca acatacagat gtatgtagac acattttaga gtgtagattc 360  
acttatttcg ctccgtatgt agtcacttgt tggaatctct agaaagactt atatttggga 420  
acggagggag tagaatgca 439

<210> 17811

<211> 352

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-056-Q1-E2-G11

<400> 17811

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 ctgaactcta aaaccaaggt ttcatttcag gttcttctta actaaagagt gtcaatgcac 180  
 tttttattgt gattgattgt aatgctttca aacacaaatc atttgttact ttagaaccaa 240  
 ttgtgattga ttggtctcct tcgttaccga gtttgagttt gtgtgttctt gtaatgacat 300  
 ttgatcatct tttttcccca taatgtattg agttttgatc aaaagaaaa ag 352

<210> 17812  
 <211> 376  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-056-Q1-E2-G5  
 <400> 17812

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 aagaccatgt atgggggctg acgcctgccc agtgccggaa ggtaaggaa gttggtgacc 120  
 tgatgacagg ggagccggcg accgaagccc cgggtgaacgg cggccgtaac aataacggtc 180  
 ctaaggtaac cgaaattcct tgtcgggtaa gttccgaccc gcacgaaagg cgtaacgatc 240  
 tgggcactgt ctccggagag aggctcgggtg aaatagacat gtctgtgaaa gatgcggact 300  
 acctgcgcct ggacagaaag accctatgaa gcttcactgt tccttgggat tggcttttgg 360  
 gctttcctgc caactt 376

<210> 17813  
 <211> 401  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-056-Q1-E2-G7  
 <400> 17813

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 gttacactgg tacgattatg atgaagaatg gaaaattgtc ggatttggtg ggtgaattgc 180

agagtttggt gaagggaatg gagaaatctg gagaagggtc tgaggaggt tctgatgttt 240  
ctgatgctat agctgcacag gttcgccggt tggctatgga gattcgacag ctagcttcgc 300  
agcaacacat aacggtcatg aatggagttt ctggtgcaaa cctacaagcc cttgctgttc 360  
caactgccgg cattgggaac tctcgggtaa nggtatatgt g 401

<210> 17814  
<211> 487  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E2-G9  
<400> 17814

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atagaaagcc agtggttttt gaaggagag agaaagtgtt actacccta tcttttttag 180  
atctggagag gatgagagtg tgtgaataga gcaaccctag caagcaagcg cggaggctcc 240  
ggcctatata tacatagtgg ggtagttttc ctttttctact ccatcaaac aatcgtttaa 300  
aattgtgtac tactacatgc caggctcgtgg tttttttagt tgttgattgt tttttgagat 360  
agctaccgcg ttgttccaag tgggtgttacg gtgtgccagg tcgcactttg tatcgttcaa 420  
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caagccc 487

<210> 17815  
<211> 435  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-056-Q1-E2-H9  
<400> 17815

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cagaggatgt tatcgggttt cgtgttgact tcattcctgg ccttaagaag ataggtctcc 180  
ctaaatcgcg gtatgagggg agactgactg gaaaaggcac tcttgggaagt gactcaataa 240

tatgcaggga tggatattct tggctctcaag cacactacac agttctacag aactctacct 300  
 tgggtgacccc gtatgtcgat gaacacaaga acagtctgcg ctccaaacac ccggagtagt 360  
 gcgatgactg ggattacatg tgaacacatt aggactttca acagttgggtt ggaaacatgt 420  
 ctcagagggtg acaac 435

<210> 17816  
 <211> 223  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-038-Q1-E1-A7

<400> 17816

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 acgacagaag ggtgtctgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaagaa ccggccacac gat 223

<210> 17817  
 <211> 338  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-056-Q1-E1-D8

<400> 17817

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 gatgctatct tcggtgacat tgaaaccagc tggtttcacg gtggagaaga cggcggctaa 120  
 gagggattac cgtcgctcaa caaagaactc cgtccccctcc ctgtcaanaa tttgtccgcc 180  
 aagttggcgt caaanaaaga tnaangaccc gacaagccct ttcggaatta aacggcagca 240  
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 tttaacaagta cgtcgacaag gtatggagct aacgtcga 338

<210> 17818  
 <211> 320  
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-056-Q1-E1-E4

<400> 17818

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gaggattacc cgtccgctca acaataagct cctccctcct tcaaaattgt cgccaagtgg 180  
cgtcaaaaag atcaagaccg acaagccctt cggaattaac gggcagcatg gncttgaggg 240  
acngcgtcga cgctccggc agaagggca aagggatagc gtgtttacaa ctacgtcgac 300  
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<210> 17819

<211> 294

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E1-G3

<400> 17819

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tgatgacagg ggagccggcg accgaagccc cggatgaacgg cggccgtaac aataacggtc 180  
ctaaggtagc gaaattcctt gtcgggtaag ttccgacccg cagcaaaggc gtaacgatct 240  
gggcactgtc tcggagagag gtcggtgaa atagacatgt ctgtgaagat gcgg 294

<210> 17820

<211> 322

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-056-Q1-E1-G7

<400> 17820

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gagctatggc gatgcaggcc ggagttggct tatccaggat ctttctctta gccggagcag 120



gttacactgg tacgattatg atgaagaatg gaaaattgtc ggatttggtg ggtgaattgc 180  
agagtttggt gaagggaatg gagaaatctg gagaagggtc tgaggggagg ttctgatggt 240  
tctgatgcta tagctgcaca ggttcgccgg gttggctatg gagattcgac agctagcttc 300  
gcagcancac ataacggtca tg 322

<210> 17821  
<211> 406  
<212> DNA  
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<223> unsure at all n locations  
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<400> 17821

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atccgccaag tattcctcta aaatatcaac cgatatcgct ctccacgagt ctctcaggc 120  
cttgtttgat gaatatttgg aagacaaatc aagggttttc gaagcaatgt ttccggataa 180  
acccaaaaac tataggctta atgaggaaga atggagaatc caaatgttac caataaaatt 240  
tttcttcttc actgctgtgc cagtgggtgt catgcggtt anatgcaa ccaacggtca 300  
ggattacca tcagacgtac ctctacacat aaccaaagtt cttgagctca acatgacgaa 360  
atgggagctt caagggttg accgataatg gaaccaactg atttca 406

<210> 17822  
<211> 343  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E1-D7  
<400> 17822

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ctcagaacct taaaacatgg agtctctatc tcttcccggt ctaaactctc tgtagcttc 120  
tggttcta at ctttttagaa accagcactc gaggatgacc tcttcantgg tatcttca 180  
taaatecccc attggaggca catcgtctc cactgttcgt cgctttgggn gtaagggtgt 240  
tgtaggatg caaagctgtt gatgaagata ttgatttnga ngcaaagag agacatagct 300

gctgcnaaaa aatcgtttgn ggattggttt gttaagggaa agg

343

<210> 17823  
<211> 406  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E2-A11

<400> 17823

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tttaaattct aatctatttg aaaactcaca accattctga aattaagagc aagacggcta 120  
ttttagatca tcaaacaatc aaatctgttc tccgtgttga ttggaggcgt acgacagacg 180  
ctcctcttct ctgtcgttac tctggctttg ttctcttgca taggtggttt tgaccgttga 240  
gaagatgaag aagatttggt gggcttctca agttaagttg acattgggct tgttaggtga 300  
gtggcccaat atcccttttc ctttgtttac tgcagcgacg tcgttctgac tcgttgaccc 360  
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<210> 17824  
<211> 65  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E2-A2

<400> 17824

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gctgc 65

<210> 17825  
<211> 391  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E2-A8

<400> 17825

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gtcatggaat ttctatgtga gtcaagccaa gaatcagaat tgtcccattg tggctcattt 120  
 cactgcatta tgggtgtattc cttctgtgtt tatgaactcc ttcttcgaag agcttgcggt 180  
 taactataag gatgctctgt ttctaatagt tgatgttgat gaagttaagg aagtggcaag 240  
 tcaactagag gtaaaggcga tgccaacttt cttgttcttg aaggatggta atgcgatgga 300  
 caaactcgtg ggcgcaaacc ctgatgagat taagaaacgg gtcgatgggt tccgttcaat 360  
 cctcacgtgt tgttcatatt gcttaangga a 391

<210> 17826  
 <211> 423  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-056-Q1-E2-A9

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 ctttacggat gctggccant atgcaattcg gtttgggtgat gatggacaaa gcagtagact 180  
 tgggtctcggg tcagatatcn aagaactaaa cggtgttcgc ccgctgagtt tacctgaaag 240  
 ggctgtagct cttgctctgg cagtgtccct ggactcagat tacttctcta ngagaggggg 300  
 ctgggggactg ctttttctca tcgccacana gtagaccncg catacgaatg ccacctctc 360  
 agttcacagc ggnacttaaa attgccagtt ctttccgccca ttgatgtcct gaanaaagct 420  
 ggt 423

<210> 17827  
 <211> 399  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-056-Q1-E2-B10

<400> 17827  
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acggcggaag caaatctagg ccaagctcac ggtagtgaag gcctgtagtg gtcttggacc 180  
aaccttggtt gtggaacctc tattaaatgt tgtggtgtgt gtcctcttat ctctcaagtg 240  
tgtataccgc tattacttac tgtcatgata tcagctgata tnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
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<210> 17828  
<211> 404  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E2-B11  
<400> 17828

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taactggaaa ctctacctct cctaatacgc aatgctgtaa tcagttgagt agagtagtcc 120  
agtcttctcc tgactgtttg tgtcaagtcc ttaacggtgg aggctctcag cttgggatca 180  
atgttaacca aacacaagct cttggtctgc ctagggtctg taatgttcag actcctcctg 240  
tcagtcgctg taataccggt ggtggtggtg gtggttctac ttctgactct cctgcagaat 300  
caccaaactc ttcaggacca ggtaatggat cgaaaaccgt accagtagga gaaggagacg 360  
gacccccatc gtctgatgga agctctatca agttctcant tcct 404

<210> 17829  
<211> 415  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E2-B3  
<400> 17829

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gctttcgccg gaaaggctgt gaacctttcc cctgcggcat caagaagtcc ttgggaagcg 120  
gccgtgtgac aatgaggaag actgttgcca agccaaaggg tccatcaggc agcccatggt 180  
acngatccga ccgagtcaag tacttgggtc cattctctgg gcgaagtcac ccagctac 240

taccggagag ttccctggag actaccggat gggacacaac tggctctatcc ggctgaaccc 300  
 cganacattc gcaaaggaac cgtnagctaa aattatccac agcaagtggg gcaagctcng 360  
 gagccctaag ntngcgttct tccccggacc tttgggnaaa gaaacggggt ccaat 415

<210> 17830  
 <211> 406  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-056-Q1-E2-B5  
 <400> 17830

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 gatcttggga atangcctgc ttggtacaac gagaaagtat atccagagaa caaggtgcc 180  
 ncgcttgagc acaatggaaa aatcattggg ggagagtctg gatttgatta aatatactga 240  
 taacactttt gaagggcctt ctctttaccc cgangatcat gcaaatacan agtttgggga 300  
 cnagtttgct caaagnata ctgatacttc gntnaanacn aatgtangtn gtcactcanc 360  
 angngaccct cctnnaagaa accccaccct ggggtttagg aattna 406

<210> 17831  
 <211> 409  
 <212> DNA  
 <213> Arabidopsis thaliana  
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 ccgattgtag ttccgattcc gacaaggtct ctccgtttcc acgtgtctga cagtccggaa 180  
 tgccgtttcc atgctttgcy atccgtacat gccgacgcgg cgcgattggg agatttccgg 240  
 atttgcaata tcagcccggg tcgacatctc ntcccacgat gtgtgaccgt cgttctcatg 300  
 gtgcattctg tgcttcaacg cgcaatggac tccngaattc cgatntcgct gggccgttcn 360

aaaaagggac cctggattcc gtctgaaccc ctggggcgtc atganattg

409

<210> 17832  
<211> 432  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-056-Q1-E2-B9  
  
<400> 17832

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cgactcccag tgggtacttct tcagccgcct cgaccgcaag cacgccaacc gcgcgcgcac 120  
caaccgcgcc actgcaggag gctactggaa gaccaccggc aaggacaggg aggtccgcca 180  
tggagctagg gttgtcggga tgaagaagac gctcgtcttc cacgctggcc gcgcgcctaa 240  
gggcgagcgc accaactggg tcatgcacga gtatcgcctt gagggcgatg gtgcagccgg 300  
gatcccacag gattcatttg tagtgtgccg aatcttccag aaggctgggc ctggtcctca 360  
aaacggggca cagtatggag ctcccttcgt cgangaggan tgggaagcgg atgaaggatg 420  
atgattttgg tc 432

<210> 17833  
<211> 138  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-056-Q1-E2-C10  
  
<400> 17833

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tcgcaatcta attcatctga gtaagtttac aagcgaaaga tttctcatct ctatgggatt 120  
aatcccgag atattcca 138

<210> 17834  
<211> 407  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-056-Q1-E2-C12  
  
<400> 17834

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gttcctaaacg cggatcgtgc ggcgtcaaga agctggagtt tcagcgatcc agaatcgcgg 120  
aggaagagaa gagtcgctgg ctacaaagtt tattccgttg aacagaagat gaagggatcc 180  
attcgaaaga gcttcaaag gttcaaagac attatcggtta tttcttgata taccttctct 240  
caactttctt aaaatctctt ctttgtgctg tgagagttaa atatatctgt aacgaacaaa 300  
aaattgatag tattttcttt ctcttgcaac tatatgtaga agaagagtct ttgaacttga 360  
atgagacaga taatgaatga aatcagtttt caatatccaa aaaaaaa 407

<210> 17835  
<211> 403  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-053-Q1-E1-E2  
<400> 17835

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cattgcgttc acgaggctag agggcttgat gtactgcca caacgatatc tcggttcagg 120  
aatggaggcg ataacgagac agcagattta ctagcgaaag ttgcgtaccc tgaagaaatc 180  
actcactgtg cagctggagt aaaatggttt aagtatctat gtgaacggtc caaggatcct 240  
gaattcacca tcagcagcaa agaatcagat gatagcaatg aagagataat caacaagttt 300  
cattcgggtg taagggggca tttcagagga ccgttgaaac cgccttttaa tgctgaagca 360  
agaaaagctg ctggctttgg gtcctcaatg gtatgaacct ctt 403

<210> 17836  
<211> 406  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-F1  
<400> 17836

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atacgatcag cttcagtctt ccacaactta acattgctca nggtgttgga tctttctang 120

gtaaagtttg gaggagggaa gttaccttct agcattggag ggctcatcca cttgagatac 180  
 ttgagcttat acggagctgt ggtatctcat ctaccttcta ctatgcggaa cttaaagctt 240  
 ctgctctttt tgaacttacg tgttgataac aaggaaccga ttcacgtgcc aaatgttttg 300  
 aaagagatgc tagagttgag gtacctttcc ctacctcaag aaatggatga taaaaccaag 360  
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<210> 17837  
 <211> 393  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-053-Q1-E1-F10

<400> 17837

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 gtagacaaac aagacagtca gatgaggctt caaagtcttt caggacacct ggacgtgttt 180  
 ctactccaac ggggtcaaag ctcaaaagct cgaataacag gcatgaagat cttttacgta 240  
 tggaacccga agaattgatg ttgagcacag aagtaatagg gcagagggac agttgggacc 300  
 tatcggatag agaaagggat atacgccaaag ggattgatct agctaccact cttgagcgca 360  
 tanagaagaa attctcatca ntgattctcg tcc 393

<210> 17838  
 <211> 390  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-053-Q1-E1-F8

<400> 17838

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 atggcgtttg tgaccactgc ggaagtgtgt gacgcgaatc aagagatgat tcgaagtggc 180  
 cagctccgag ctctgcaacc cgtttttcag atttatggtc gtcgtcaaatt attttcaggt 240  
 ccagtagtta ctgttaaagt ctttgaagac aatggcttaa tccgtcactt cctcgaagag 300



aaaggcaatg gtagagttct tgtggtggat ggtggaggga gtttacgctg tgcgatacta 360  
ggaggaaacc cggtcgtaca agcgcagaac 390

<210> 17839  
<211> 386  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-E10

<400> 17839

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ctgcagtgtc tgatctcagg actgctatgg ctggtgagga tgtcgaggac atcaaggcta 180  
aggtcgaagc tgcaaacaag gcagtgtcga agatcggaga acacatgtct aagggatctg 240  
gatcatctgg ttccgatgga agctctgggtg aggggtacaag tgggactggg cagacgcctg 300  
aagctgaatt cgaggangcc agtggttcaa ggaagtgang ttgccgctaa ccggttccat 360  
acanaaatca nggtttttccc cccata 386

<210> 17840  
<211> 393  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-G1

<400> 17840

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ttccaccgtc tccgccgctc gtccggctct ccttctcaag cctaccgtcg ccatctctgn 180  
tcctgttctt ggtttgcctc caatgggtaa gaanaatgga ggagtgagat gttcaatgga 240  
taciaagcaa ngaaacntct cantcatggg ggctggaatt tcagctgcag caacagctgc 300  
tttgacggcn gtgatgagca atcccnatg ggctttgggt tgatgataag atgtcaacac 360  
aaggaacacg attaancttt ggtctaagca aca 393

<210> 17841  
<211> 408  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-G12

<400> 17841

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ggctctttat tgtgaaagag ctaaagtga agatgggtcaa agtggtcttg atatcgatg 180  
tggctgggga tccttgtctt tgtacattgc acgcaagtac agcaaatgca agttaaccgg 240  
tatctgcaac tccaaaacgc agaaagcatt tatcgatgag aaatgccggt aactaagttt 300  
ctcatatc ttaagcttcg agttctagct gctacaaatg gaacttaata taatctcaaa 360  
tggtttgaag gaaactcggg cttcaaaata tccaaatcaa tgtcnccg 408

<210> 17842  
<211> 62  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-053-Q1-E1-G3

<400> 17842

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ga 62

<210> 17843  
<211> 387  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-G5

<400> 17843

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caagtcatat tgaaagacta cgtgagtggt ttccctacgg aatccgattt cgatttcact 120

accaccaccg tcgaacttag ggttccggaa ggtactaact ctgttctagt gaagaatctc 180  
 tacttgtcat gcgatcctta catgagaatt cgcattggga aacctgatcc ttccactgct 240  
 gctcttgctc aagcttacac tcccggccag ccaatccaag ggtatggagt gtcnaaaata 300  
 atagaatctg gacatccana ttacaagaaa ggagatttac tccgggggtat aattgcatgg 360  
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<210> 17844  
 <211> 302  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-053-Q1-E1-H10

<400> 17844

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 gcttctgaga atccgagtga agagagggat caatcttgct cagcgagaca ctctaagcag 180  
 cgacctttt gttgtcataa ccatgggatc acaagaagct gangaccctt gtttggggna 240  
 atnacctggg agccccntt ttgggnccgg gnggantanc ccctgggggt aaaaaacccc 300  
 cn 302

<210> 17845  
 <211> 332  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-053-Q1-E1-H11

<400> 17845

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 cccagaagaa ggatcgatt caagtttcca aactaagaa accattgttc ttctacgtca 180  
 atctcgccaa gaggtacatg cagcagtaca ctgatgtcga attgtctgca ctaggaatgg 240  
 ctattgccac tggtgttacg gtcgctgaga tattgaagaa caatggcttt gctgttgaaa 300

agaagatnat gacatccgac cgtggggtat ca

332

<210> 17846  
<211> 401  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-H2  
  
<400> 17846

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atggcgacgt ctgcgaggat ttgttgccga ggaggaagtg catgcgccgt tcgttggtgt 120  
cgtcgacgt taaatttgaa ttctcgatcg tcatgtgttg ttccagtgc gaatcgacgg 180  
aatatgtgtg cgatcgggaa gatttcgatg tcgatggagg atttgtcacc accgtctgcg 240  
gcggtgaaga ttgaaaggat cggtggaagg aaacgcggtg gatctgttgt gtcgaggagg 300  
aagctagatg tgtggttgag agattcgggtg gttgagatcg tgaagaatct tanagagtcg 360  
ccgttattga tgcatttata cgcggaggct aatggtgggt t 401

<210> 17847  
<211> 403  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-H5  
  
<400> 17847

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gtcccagaag cgaaatcttc cttcttgat gagttctagg gatcccgaga ttactccgag 180  
taagtctcat tgtaagaagc ctaaggatga aggaccaacc gaagagtaca acaagtagaa 240  
atgccccttc caacaagtca agaacacgcc gagccaagtt caantaccac tgaattctct 300  
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actgaggtca caagccttga caatggggag caactatcaa cct 403

<210> 17848  
 <211> 113  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-053-Q1-E1-H9

<400> 17848

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 atcttttatt aagctaactt agtaatctgt gaataaaaag caaaaggggt tga 113

<210> 17849  
 <211> 303  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-A8

<400> 17849

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 ttagccaagg aagctacagc aattgctatc tggctctgtga cccaaaactt tgattgctgc 120  
 aagcactggg acaatctcta caaggagaat ctggaagcta gtgtcgctgt tcttaaaaag 180  
 cttgttgaag aatggaaaga gcattcggtc aaactatcat catcacgaa tgatgctctc 240  
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 gga 303

<210> 17850  
 <211> 291  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-B6

<400> 17850

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 aatgccgcaa gaaccaaacc tgtccgagcc ataagcaccg caccagcgag ccagcctcca 180  
 gccgctgatg agcccagca accctctgct gtcgattttg cgttcggtcca ttcggtgttg 240  
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<210> 17851  
 <211> 292  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-B7

<400> 17851

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 gaacactcga ggaatgaaac tggtcacgtg caaatgggta ccagcaaagc aagagccaaa 180  
 ggcttttagtc tttatttgcc atggatatgc aatggaatgt agcatcacca tgaacagtac 240  
 tgcgaggagg ctggtgaaag caggatttgc ggtatatgga attgattacg aa 292

<210> 17852  
 <211> 302  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-054-Q1-E1-B8

<400> 17852

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 cgatagccaa ggttgagcta tggaaccaga agcttanaga tttaatcatc atttcgacc 180  
 tgcaagtgtc tgattcttat atgtctatga ttcgaatgac ttactcgaga nagagagaga 240  
 gagatcaaac annacaaaac aaaaaagctc tttttcattt ttctgttaa cttataagtt 300  
 at 302

<210> 17853  
 <211> 289  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-C3

<400> 17853

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aagaccatgt atgggggctg acgcctgccc agtgccggaa ggttaaggaa gttggcgacc 120  
tgatgacagg ggagccggcg accgaagccc cggatgaacgg cggccgtaac tataacggtc 180  
ctaaggtaag cgaaattcct tgtcgggtaa gttccgaccc gcacgaaagg cgtaacgatt 240  
tgggcactgt ctcggagaaa aggctcggtg aaatagacat gtctgtgaa 289

<210> 17854  
<211> 293  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-054-Q1-E1-C5

<400> 17854

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agaagttctc taatttaaaa aatttattca tttttcttgg ggaggtttga gtttttgttc 120  
ggtggtgatg ttaggtaggg aaccctaaaga aaatgggaga agtaaagagt cgtagacac 180  
acagcaatag cgagcgaacg tacgttcata tgctggcctt gtgtgtagtt tgtgttgta 240  
ttagtgtgag aagcatgaat cantatgatg aatttatgat taanaaaaaa aaa 293

<210> 17855  
<211> 374  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-A12

<400> 17855

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cattaacagg gatagatttt catggttacg agacgacgag tttgctcgcc agacacttgc 120  
cggccttaat ccttatagca ttcagctagt tgaagagtgg ccgttaataa gcaaactaga 180  
cccggccgtt tatggtgatc ccacctcact cattacttgg gaaattgtgg aaagagaagt 240  
taaaggaaac atgacagttg atgaggctct aaagaataag agattgttcg tgttgatta 300  
tcatgatttg cttctaccat atgtgaacaa agtgagagag ttaaacaata ccacattata 360

tgcttcctan aaaa

374

<210> 17856  
<211> 401  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-053-Q1-E1-A7  
  
<400> 17856

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aaagatgaat ttgggggttct tagttggagt ttctggcggtt cttattcttt ctcattgccgc 120  
ttattcaaca atccaatata gaggattggt gaagattatg gaggaagagt tttctcgacc 180  
accgattaat gttattctgg agttgatcat tggactagct ctgtgtatgt gggttgcttt 240  
gactttccct ggtaaatttc tctcgatcca tccggattct gatgaaaaca gggcgggtgtt 300  
tttaccaaga taattcggat ttcatgatat tcaatcaccg tggcagactg ttcccaccgc 360  
agatcgacat gaagttttga atttttatca cactgcttag t 401

<210> 17857  
<211> 399  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-A8  
  
<400> 17857

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agagtgtttt ccataaaagc acaaatcaca acagaaacag atactcctac tcttgcaaag 120  
aaagtagaga aagtgtcaaa gaagaacgag gaagggtgta ttgttaacag gtacagacca 180  
aaagagcctt aactggaaa atgccttctc aacacaaaaa tcacagctga tgatgctcct 240  
ggagagacct ggcatatggt tttcaaccat caaggagaa atcccgtaac agagaaagac 300  
aatccgttgg tgtgattgca gatggaattt gacaagaatg gaaagcctca caaaggccag 360  
accttactcc aatgcaanca accgctcctt ggagatntc 399

<210> 17858  
<211> 384



<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-053-Q1-E1-B10  
  
 <400> 17858

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ccaaagatgt gatccttagc aaagaagagg atttgattac ttctgatgaa gcagatgctg  180
atgggtccgtt atgctttttc gatgtccttg ctgattacta tgtgaaagtg tctgagaggg  240
ggaaggatat acttgatttg atgggtgcagc tgtggagcca gtcctttgca tcacatatat  300
tctctctact gttccataaa tggctgtttg gggttgagct cgacaatcaa gaaatactcc  360
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<210> 17859  
 <211> 400  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-053-Q1-E1-A10  
  
 <400> 17859

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atgatctccc tttgcagata ttccccttgc atgggaaaag aatgtgaatg taaaaattca  180
agcaaaattc tcaattccgg gagcaaacct gctttggttt cggctgtgtc attacagctc  240
cgtagagggt tttaccatga tcgttacaat gacataacaa aggattcatt tcctccacac  300
atagtgattg ctccaaacgc aggcatcgct gcatatccaa gctggttgcc aactattgaa  360
ctgataangg agatacaant cccaccaata ttctcngggg                               400
  
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<210> 17860  
 <211> 69  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB35-053-Q1-E1-B3

<400> 17860

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agtttgcca 69

<210> 17861

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-053-Q1-E1-B7

<400> 17861

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tgctagagaa gacgaaggag agagaaaatc cctccgatta tattccgtac aatccgatcg 120  
atttcccggc gccagatctc accgcgactc gtctactttc cgatttggtt cgtgttgact 180  
cagttacgat taaactatgg atccaatgga tatagtcggc aaatccaagg aagacgcttc 240  
tcttccaaaa gctacgatga ctaaaattat aaaggagatg ttaccaccag atgttcgtgt 300  
tgcaagagat gctcaagatc ttctcattga atgttggtga gagtttataa atcttgatc 360  
ttcagaatct aatgatgttt gtaacaaaag aggataaacg ga 402

<210> 17862

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-053-Q1-E1-C1

<400> 17862

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cagccaatac tcattctgaag gcggagcaca gctctttgta cccgccggga aatggctcac 180  
cggaagtttc aacctcacia gccatttcac tctgtttctt caciaagacg caattcttct 240  
cgctgctcaa gacttaaacy aatacccaat tctaaaggct ttgccttcgt acggacgang 300  
acgtgacgcc gccggtggaa gattcgctag tctcatcttc ggcaactaat tctccgacgt 360

aattatcacc gggaacaacg gcacaatcga cgggtcaagg

399

<210> 17863  
<211> 390  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-C10

<400> 17863

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tccgaccaat ggattaccga gttacggtgg ttacgatgcg ttctgagcgg cggaagggtg 120  
ggcggagagt gggcatgtga atcggcagca gaactcgagc ggggttgactc agagtttcgg 180  
gtacagctcg agtgggtttg gtgtttcggg tcaaacattc gagtttaggc aatgagagag 240  
atgtgaagtt actgatgggt gaaaaaagta aaaaaaaact tggagatagt agagtggcaa 300  
ttgatgtaaa taatagggat ttatatgggg cttttaccga ttccgtgaag cgtnngattc 360  
cnccaangg ggaaaaggnc cccccggggg 390

<210> 17864  
<211> 404  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-C12

<400> 17864

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caacatagca aagcgtcaca acgtcggaac tttagctcgt agcgccactg cctttggtgt 120  
gacggagcta atcctcgctg gtcgccgtga tttcaacgcc ttcggtagtc atggttcagc 180  
ttctcacatc cgtttccgcc attttcactc tctcatcgaa gctcgcaact atctcaagga 240  
ggagaaagat tgcgatatat gcggcggtga gattgcagat ggagcttctg cggttaatga 300  
acatcctttc aaaagaaaca ctgcgtttct tctcggtaat gagggatcag gattatctgc 360  
gaangaatac naaatatgcg acntcttttg tgnaaaatcc cccc 404

<210> 17865

<211> 392  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-053-Q1-E1-C2

<400> 17865

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 cgcctttacc cacagacgcc attcagttac tgagttcatc attgaacaac ctcatattag 180  
 ttcaactcgc tagtgaagtt tatcaagtct tgtgtggttt tcacattgtg ttactgtaca 240  
 ttggttttgg ttcacggtgg tggttttatc tccagacaat tggtttaatg ttctttantt 300  
 aattaatacc tcctttggtg gttaaatcct tttacctttg ggtttccttt gatcgttttg 360  
 ggttcccctg actttttggt anaagtttgg ta 392

<210> 17866  
 <211> 392  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-053-Q1-E1-C6

<400> 17866

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttgggtg gtttctagca tggaagcttg 180  
 tattaagcca tgttcctcta gtacaagaga tctttggctt gaggaagaaa acctttatac 240  
 caaaacctga atctcgtggt cgaatcgcca aattctacaa aagtatcagt tctcagaatc 300  
 ctgttcccca atgaaatcgc aagctccgag gtttatagaa gcttcgatga tccgaaaacc 360  
 gaacgagtaa gaggatattc aatgtcacao tc 392

<210> 17867  
 <211> 377  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-C7

<400> 17867

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gatcactggt catatctgtg tctcgtgaga ctcatcagc aaggaggaga gtttcttcca 180  
acggaaccac agtttcttga agctgtgcat atatgttggc aagtctggtg tggaggagga 240  
taacattttt gaagacgtca tatgttggga gattctcaga catttcatca gttctttctg 300  
ttgtcttctc tcttgcaaac tcattagtcc gtttangtta cttgatatat taatgttttt 360  
gactaaattt tatttgg 377

<210> 17868  
<211> 355  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-D11

<400> 17868

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aaaaagaatc caggaaatgc acttctagag tatcgtggaa atgcaggaag tcacgatctg 180  
aaactttctg ttgaaacact agaagccctg tcgaaactga ccaaagaagg cttaaagatg 240  
aaggtaccta ggtacaataa gtctgcctat agtgggagag gtgacagggc cgattcatca 300  
acatggcctg aagttgaagg acctctatcg gttattctct ttgaggggat ngatg 355

<210> 17869  
<211> 378  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-053-Q1-E1-D7

<400> 17869

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 naccgcatcc gantgggtctc cgatgggtctc cgggaggttag aagaatcngt ttcccagatc 180  
 ttaggtcant ctgcgtcacgt tctctctttc gctcgcttca ctcaccgata tggtaannng 240  
 tatcanaacn tggaggagat gaagcttcga ttctcgattt tcaaggagaa tcttgatttg 300  
 atcagatcca ccancannga aaggcttatc ttacaaactc ggtgttaatc antttgctga 360  
 tttgacatgg gcnagagt 378

<210> 17870  
 <211> 392  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-053-Q1-E1-D8

<400> 17870

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 tgtgaagtca cgtatcaagg ttacgtgtcg taacaacaat tgtgcttata ataattgtgt 180  
 tcatcatcat tatcatagcc agagttatcc tggagatttc agttacgata cgttgagtta 240  
 cgcgctcaat ttcgaggata atgtgagagc tgatgacgat ggttcttttc ctaatttcac 300  
 ggcgagggtg cctcagtcgc cggtgaccaa gacgagatcg gcgacgggtg atttgatctc 360  
 tttctgacgg aataattaat tacaaaaaga tt 392

<210> 17871  
 <211> 376  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-053-Q1-E1-D9

<400> 17871

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 gaagagtttg tagacgagtt tatccgcgag agcaaattgc ggttagctgc aaggcacgct 180

gagataacca ccggtttaga tggtttaggg attggttggt taaaggccaa agccggtttg 240  
 ttcttgtgga tggatttaag aaatcttttg aagacagcaa cgtttgattc ggaaaccgaa 300  
 ctatggcgtg tgattgttca ccaagtgaag ctcaacgtgt ctccaagcgg ttcgttccaa 360  
 tgccangaaa ccggga 376

<210> 17872  
 <211> 361  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-053-Q1-E1-E1  
 <400> 17872

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 cttggggagg aagcggatga attattataa gccaacagt gccataggaa caccatcatc 180  
 aactagtac cagctccag gcagtaatgg gaggaagttg atgagtatat atagacccaa 240  
 tggagacata ttacaggac catcaggcag tgggcatggt gggggctcga ctccaacccc 300  
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 t 361

<210> 17873  
 <211> 395  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-052-Q1-E1-D6  
 <400> 17873

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 ctgccgaagt ttctagtgtg tcttctcagc cagtcaaaga atcagcgaca ctagagagtc 180  
 tcctaaagaa accacatata cactacaagc ttcttgagaa gcatggcttt ggaaatgaaa 240  
 cattatctag aatggagaaa gactgtgtag agatcgatat aaaatatgaa ggttttcattg 300  
 ttcgccagca aaaccaactg cagcagatgg tccaccaaca acatagacga cttccagacg 360

atttggatta ctattcgatg acaactctat cccat

395

<210> 17874  
<211> 406  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-E1  
  
<400> 17874

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tccaagacaa agaggggtatt cctccggacc agcagagatt gatcttcgcc ggaaaacaac 120  
ttgaagatgg cagaactttg gccgactaca acattcagaa ggagtccaca ctccacttgg 180  
tcttgcgctc gcgtggaggt atgcagatct tcgtgaagac tctcaccgga aagaccatca 240  
ctttggaggt ggagagttct gacaccattg ataacgtgaa agccaagatt caggataagg 300  
aangaatccc tccggacca caagaagttg atctttgccg gaaaacaatt ggaggatggt 360  
cgtactttgg cggattacaa catccaagaa aggagtccga ccntc 406

<210> 17875  
<211> 248  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-E2  
  
<400> 17875

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aatggccaaa gacgtggaan gacctgangg atttcagaca agagactacg aagattcgcc 120  
accaactccg tttttcgatg cggacgaact taccaaagtg ggtccttata cagagccgctc 180  
antgccgaat tcgtagccac tctcctcctc cntgtacatc ancgttttta actgtcatcn 240  
gttacaaa 248

<210> 17876  
<211> 486  
<212> DNA  
<213> Arabidopsis thaliana



<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-E3

<400> 17876

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nnnnnnnnnn nnnnnnnnnn ncttgttgta gcagttgaag cnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntgg ctctgaatag tgtctcctct 240  
gaagaattta ccttcccatc gctagcttct catgattctt ctcaccattc cggctctgat 300  
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ggtttggcaa gattagtcac tggaaaagac ggtgatcatg atcagaggaa gagcttctcg 420  
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tgggaa 486

<210> 17877  
<211> 345  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-E4

<400> 17877

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gttccattac gaaaaaggag ctcggtacca tgatgcgttc aatcggtgaa aaaccgacaa 180  
aagctgatct tcaggacttg atgaacgaag cggatttaga tggatgatgga accatcgatt 240  
tccctgaagt tcttgtgcgt aatggctaag aatcaangtc atgatcaagc nccgcgtcac 300  
actaaaaaaaa caatggcgga taagctcact ggacgatnag attac 345

<210> 17878  
<211> 484  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-052-Q1-E1-D5

<400> 17878

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gcgtccgccc acgcgtccgt acggctgcga gaagacgaca gaaggggacc atcgctcgta 120  
atggaaacga gaatcctttg acctctctc tcagtcgtct ctctctctcg ccatctccgc 180  
cgtcggctctg aggcattcat ttggctgaag aagaatcagc atcaacttcc atcacgtca 240  
cgaaattggg cgaagaagaa gaatcagccc ttcttttggg tggggaagat ttggcgaaga 300  
gcaacggcaa gccaaagatg aaaaactcat gaaattcgat gaaatcgaag agaatagagg 360  
caatcttggg tcgtgaagca gaagcaagat tctactgcac acgttgatat cacangctat 420  
caatgctggg ctctgtgtca gagaagagaa attggcctga tgcccacaac aagaaaagca 480  
agga 484

<210> 17879

<211> 393

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-052-Q1-E1-E6

<400> 17879

ggcagagatt tcatcagttt gctttttggc tttttacgtg tcttcatagc ttattggaat 60  
ttaaaagatt aaaaggaaag aaaaaattct gagagagaga tgggaatgag tggnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntca ccataccgaa 180  
tctactttgc cctctgatag tgaacaactc tcaataactg ggagcagatt gatgagtata 240  
atatataagc caaacggaga catatataat atcggaagca gagtatatat atcaccttga 300  
agcagtggac atggtggtgg tcacattcat caacattacc ttccttangt tttgggccag 360  
tatacaaagt tgtgtaataa ttcaccaagc ata 393

<210> 17880

<211> 388

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-052-Q1-E1-F12

<400> 17880

cagaatctga gatcggacct ttagagagag agagaaagat gcagagggac gtgtcgagct 60  
gcaacactta caactatgga gacgctctct attgggacgc tcgttacgtg caagacgcgc 120  
tttcttttga ctggtaccaa tgttactctt ctctccgccc ttttgtccgc agcttcgtct 180  
ctactttctc acgagtcctc atggttggct gtggcaactc cctgatgtca gaggatatgg 240  
tgaaggatgg gtatgaggac atcatgaatg ttgatatctc ttcagtggct attgagatga 300  
tgcaaacc aa atatgcatct gttcctcagc tcaaatatat gcaaatggat gttagagata 360  
tgaagttact ttgaagacga atccttgt 388

<210> 17881

<211> 385

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-052-Q1-E1-F3

<400> 17881

cactccatca tgcggcgaac gggattaccg gcgcgtgatc ttaggattct cgatccactg 60  
ttgtcgtatc catttactgt tttaggtaga gagagagcga ttgtcatcaa tttggagcat 120  
atcaaggcaa tcatcactgc tcaagaagtt ttgttgctta attccaagga tccttcggtc 180  
tcacccttta ttgatgagtt gcagaggcgg attctctgtc accatcacgc cactaaacct 240  
caggaggagc agaactctgg gggagagcct catacgaggg tagatcctgc ccaaggagaa 300  
gctggaacgg aacaatcttc tggggatcaa gggagtgaag ccaagaagga tgcgaagcaa 360  
agtcttgaga atcaagatgg attga 385

<210> 17882

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-052-Q1-E1-F8

<400> 17882

gtccgnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnaggca cggcggcgga aggtataacg gagagactct cttctctcga caatctctat 120  
 ttccacgcg ccgccaatt aaccgctgca tcttcgacc aacgcaaatac catcctcctc 180  
 gacctcctcc gtcgtgatcc cgccgttttt ctagagagat atggatcgga gctactagta 240  
 gatgaattgc ttgagtttga tgctatgaaa catgactacg angttgattg gcatttgaaa 300  
 aacctgcgga agaagataag tccgacttca gaagagatta aatcgangtc tgtagctgtg 360  
 angaatagga gattggctta attgaataag cntg 394

<210> 17883  
 <211> 400  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-052-Q1-E1-G4

<400> 17883  
 agagctctga cngcatcagc cacctctgcg gcttcncaaa tccaaataag ctgtggatga 60  
 aacgaagaat cctagatttc tgaatggcga caccatttat agcggggggtt gcantantg 120  
 caacagcact tgctggtaga tatggaatcc aagcatggca agcattcaag gcaaggccac 180  
 caangcccaa aattaagaaa ttttatgagg gcggtttcca gcctacgatg acgaaaaggg 240  
 aagctgctct cattcttggc gtcagggaga gtgtancggc ggaaaangtg aangaagcac 300  
 acangaangt aatggtagca aaccatccag atgcagggtg taaccatttc ctaacctcct 360  
 aagatnaatg aagctaaaga cntatgctaa gcaaaactaa 400

<210> 17884  
 <211> 396  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-052-Q1-E1-G5

<400> 17884  
 atctagaaca aagggtgga atgacttccc acatggacgt tggggtgatt cacacagtgc 60  
 agcatacagt acactttcgg attatcagtt tgcgcgccca aaagaacgtg acaagaagct 120  
 tcagcaagaa tgggtcgtcc cactgaaaag cattgaagat gttcaagaga aattcaaaga 180  
 gctctgcatt ggaaacttaa aaagcagccc atggtctgaa ttagatggac tccagccaga 240

gacaaagatc ataatgagc aactcggaaa aatcaactcc aacgggtttcc tgaccattaa 300  
tagccaacca tcagtcaatg ctgccaaatc cgattctcca gctattggat ggggtggtcc 360  
tggtggttac gtctaacaag aaagcttatc tggagt 396

<210> 17885  
<211> 195  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-G9

<400> 17885  
acggcccaaa attcccngt cnaccacgc gtccgaattc gagcggccgc nnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaaac acactccttt 120  
tattaatcat aaagttcata aaattaaaca agaagacttt tcattaaaag tctcctatat 180  
ttttggttaag atact 195

<210> 17886  
<211> 55  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-H10

<400> 17886  
acccccctgt ntcngngcaa taaacncngc ggggggtttg ggggtcacc cccan 55

<210> 17887  
<211> 373  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-052-Q1-E1-H12

<400> 17887  
agctgtggaa gaaaggccaa accccatggt tcattgcttg tactacactc gtcgaagggt 60  
tgaggaaatc aggaagaaca gagaaagcgt cagggtttat ggagaagatg atgaatgcag 120

gaattcttcc cgatagtgtg acatttaact tgcttcttcg ggatctctgc agttctgatc 180  
 attctactga tgcaaacaga ttgagacttt tggatatcaag caaaggatat gaacccgatg 240  
 agacaacgta ccatgttttg gtttcggggt tcacgaaaga agggagaaga aaggaaggag 300  
 aagttctagt gaacgagatg ttggataaag atatgttgcc tgatatcctt acatataata 360  
 aaatgttggn tgg 373

<210> 17888  
 <211> 236  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-052-Q1-E1-H3

<400> 17888

gcacactcgc acatgggaac aaaagaatct gtcttcttct ctgttctatt atttatactt 60  
 acttggtaaa atatctttct tgtgcagaac agaagaaaaa gaaacaccca tggctctgtt 120  
 ttctagcgtc tcagtttccg cgtttctctt gatcgttgta tcggttcaat ggactctggg 180  
 tttgcagtga atccacaatc ttaacttctc ctgctgtttt ancgatatc aaatgc 236

<210> 17889  
 <211> 472  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-052-Q1-E1-H4

<400> 17889

tanctgttcc cgctgccgg caaaaagttc naggtccac caaccgctcn taacggcngc 60  
 aaangacaca gaagggacag nccanaatt ncaattgatg gnanaattan cgacaaattn 120  
 ganggtncn gtnatttcan cacaaaaggg tcacgctctg atgttcccaa aggggtggtg 180  
 ggagcttgat gaatctgtag aagaagctgc gtcaagagaa tctctagaag aagctggagt 240  
 tgttgaaaac gttgagagac aacttgaaa atgggatttc ttaagcaaaa gcaaaggaac 300  
 attctatgaa ggattcatgt tccaatgct tgtgaaagaa gagcttgagc tttgacctga 360  
 acaacatctt cgtcaaagaa tttggatgaa agttgatgaa gcaagagacg cttgtanaga 420

ttggtgggat gaangaagcc gttagatggt ttggtccaaa ggctttccnt ta

472

<210> 17890  
<211> 420  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-048-Q1-E1-E3  
  
<400> 17890

aatggaagga gttcatagct ggacttcaca agcagaagac tgagcttttc atggttctta 60  
tcgagaaaaa gctgcttccg cttcgaccgc gtgttgcaaa gttggttgat caagctttaa 120  
caaacggagt caaagtagct gtgtgcagta cttcaaatga gaaggcggtt tctgctatag 180  
tttcatgctt gcttggacca agaacgagca gagaaaatca agatattcgc aggagacgta 240  
gtccccaaaa gctgcgggaa tgacttgtat agttacaaag agtggatata cggctgatga 300  
agatttcgag aacgcagatg cggttttcga ctgcattgga gaccctccag aagagagatt 360  
tgatttgga ttctgtgaa gtcttctccg gaaacagttc gttaagttaa aaactacaaa 420

<210> 17891  
<211> 257  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-048-Q1-E1-E4  
  
<400> 17891

atcagagaat tggttaagtag taagaaccct agctttagat tcgtcagatt ctgattactc 60  
gaatcaaagc agggtttttg aactgaaaa tccgatctcg tgaagtgtgt ttgcatcga 120  
atcggaaaat atgaaagaag ggaaatcatc gaaagtcgtc gagtcaacaa gagcagcatg 180  
aacagattta tcatcaaac agtcacttgg gttctttcaa cttcgccaaa ttgtttgatt 240  
ctgaaagctt cctggga 257

<210> 17892  
<211> 371  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-048-Q1-E1-F4

<400> 17892

cngctaagaa nacgacagaa ngggtacggc tgcgagaaag acgacagaan ggtactgctg 60  
cgagaanacg acanaacggg tancgctgcg ataagacnac ataangggca ngaacaaang 120  
tcaangttcc aacttttctt gtcccggcta ctcataacgt gtggatggat gtgtatgctc 180  
tcccgggtacc tgnagcaggt ggaaanacat gtgcgcagat ctttgaagaa gctggctgtg 240  
acacaccagc cagccctatc tgtggtgctt gccttggtgg cncaacatac acctacgctc 300  
gcttgaatga acctcaagtc tgtgtctcaa ccgaccnaca cgaacntccc cggtcccgat 360  
tggacacaaa n 371

<210> 17893

<211> 404

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-E10

<400> 17893

acagagagag aagagaagag gaagaaaatg ggatctataa cggtagctcc gggaaccacc 60  
gtcttattct ccagtcggcg gctagatctt tgcggtcgct gccatgagaa tctatccgctc 120  
gtttcgtcct cacaaccgctc tctgatgcc aagcagagat ggctttatat tcccagagacg 180  
agggtgaaaa gagaggtttt aaagctcgat gtcgctcgaa gagctgctga ttccacgagc 240  
tcttctccat cagtagcttc cggtgataga accttaattc ctgatgatga attcacttta 300  
gccaagattt catttggtgt tattgggcta ggtctcgggg ttctgctact ctogtatggt 360  
tttggggcct attttactat ccttcctgga actgagtggg ctgc 404

<210> 17894

<211> 404

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-048-Q1-E1-F6

<400> 17894

cgttccttgg ttgttcgagc tacctogaag aagagtaacg acgattcttc ttctcctgga 60



gatgcttctc aggaaaacaa accttctaac ggcaacaagt cggcgattc cgcggctccg 120  
 aaatcgttcg gtttaaacac ggattggaga gagttcagag cgaacttggt tatgaaagag 180  
 caggaagaaa aggcggaagc tgagggtcat gaatcggaac ctatagggtt gaaatgggca 240  
 catccgattc cgtttcctga gactggttgt gttctaagtt gctacagaga agctagatgg 300  
 ttatagaaca tttgcgagaa ctgttggtgt tcttcttaag agcaggtact agacacccac 360  
 aagaanggcc gtttggtggt gttaacaacc gttcacttca tana 404

<210> 17895  
 <211> 322  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-048-Q1-E1-F7

<400> 17895

tggttgagg ttttgggctg tggggtgacc gagcaagtaa ttctgaaaca aagtggatta 60  
 gaaaataatg ttgcttgggc cttcgactt ggacttgaga gacttgctat ggttttgttt 120  
 gacatacctg atatacgatt tttctggtca tccgatgaac gattcacgtc ccagtttgga 180  
 aaagganaac ttggagtga attcaagcca tattcaaagt atcctccttg ttacaaggac 240  
 atcagtttct ggataagtga tttgttcaca gagaataatt tttgtgaant tgtagagga 300  
 attgctgggg atcttggttca an 322

<210> 17896  
 <211> 426  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-048-Q1-E1-F9

<400> 17896

gaggaacagg tgtttgacct cacggaagtg aagccgcatg agtttggtcg atacggggtg 60  
 ggggtgttgg agaaagtggc agcggaagga gatgaatgtg caaaagaatg cagagcaagg 120  
 ttgaggatta tggttgcagg aggtgatggt actgttggtt gggttccttg atgtccttga 180  
 gagcttaata aagatggaaa gtcgcaaatt cctcctgttg gagttattcc tctcgggtaca 240

gggaatgatac tttcaaggag ttttggttgg ggtggttcgt ttccttttgc gtggagatct 300  
gctgttaaaa gaacactcca tcgcgcaagt atgggtccaa gttgctanac ttgacagctg 360  
gaagatttta agtgtcaatg ccatctggaa gaagtcgtan attctcctta atccttaaaa 420  
nccgcc 426

<210> 17897  
<211> 412  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-048-Q1-E1-G10  
<400> 17897

gaaactcaat ccttgtatat tcaacggaga gagatctgcg agagaaagag agatcagatt 60  
ccggtgttcc aaggaagcac atattttaag atccaagaat cgcctgagag atgtctacct 120  
tcagtggcga tgagaccgct cttttcttcg gcttccttgg cgctgccgct gcgctcgtct 180  
tctcatgtat gggagctgcg tacgggacag caaagagtgg tgtgggagtg gcattctatgg 240  
gtgtgatgag gccggagttg gtgatgaagt ctattgtccc agttgttatg gctggtgtgt 300  
tgggtatcta aggtttgatt attgctgtta tcatcaagta ccgggattaa acccaaaggt 360  
aatcccact aactccttcg aacggtaatg ctcaaccccc cttcnggcct tg 412

<210> 17898  
<211> 287  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-048-Q1-E1-G11  
<400> 17898

gaagaaaatg gatgaggagc catccaagga gactagaaat gatagtgccg gagaagaggt 60  
tttgaagaac tgtcatgttg aagaagataa ggaaaaagaa gctcaagaag gttgcagtga 120  
aagaagtgat aaagaatatg agagggttgg tgggtgggct aagagggtag agcaggtgga 180  
gattgagtta aggaagaaaa gcgccgtang agaagatgac ctgaactgta ctgttagaga 240  
agatggagag acagaaaact tacaagaaat tgaagaagag tgtcacg 287

<210> 17899  
 <211> 404  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-G2

<400> 17899

tgaaagatca attttttgga attagtgggtg aagatttgaa tcagagatgg gtttttcttc 60  
 tttcatttct cagcctttgt cttcatctct ctcggtgatg aaacgcaacg tttctgctaa 120  
 aagatcggaa ctttgtcttg attcttcaaa gattagatta gatcatcggt ggagcttcat 180  
 tggaggatca agaattctctg ttcagtcctaa ttcttacacc gtagttcaca agaaattctc 240  
 cgggtgtacga gcttcataat ctcttatatg ttcattgttg aggggttaact actactcaga 300  
 ttgcaagcag tgtattttgcg gttggaacta ccgcggtttt acccttctat actctaattg 360  
 ttgtagcacc aaaagctgaa attaccaaga agtgtatgga gagt 404

<210> 17900  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-048-Q1-E1-G8

<400> 17900

acaccgaaga aaacacacaa gactccatta ttctcttgct tcttcgtcac ttcaattatt 60  
 ttctctgaga ctagctttga ttcaaccatg gctaattgcag catcaggaat ggcagtcatt 120  
 gatgactgca agctgaaatt tatggaattg aagacgaaaa ggacacaccg tttcatcatt 180  
 tacaagattg aggagctgca naaacaagtg attgttgana aaatcggtga accgggtcaa 240  
 acccatgagg accttgctgc aagtcttcca gctgatgaat gccgctatgc cattttcgat 300  
 tttgattttg tcagttctga ggggtgtccca aggagcanga tttttttcgt ggcattggtct 360  
 ccggacacag caangagtga gaaagcaaga tgatctatgc gagctccaaa ggacagg 417

<210> 17901  
 <211> 420  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-H11

<400> 17901

agaaaaagaa gagcagagca aaatccctaa aattttaaac tctgttttgc tttccgacaa 60  
tcaaacccta ggggttgcta aagggaagag agagagatgg gtggtgaaga ggaagttggt 120  
tctgttgagc taccagcacc ttcttcatgg aagaaattgt tttaccccaa caaagtgggt 180  
tcagtgaaga aaacagaggt tgtgtttgtg gctccaacgg gtgaggagat tagtaataga 240  
aagcagctgg agcagtatct caaatcgac cctggaaacc ccgcatcgag agagtttgat 300  
tggacgacta gtgggacacc taggagatct gcaagaatca gtgagaagac taaggctacg 360  
ccgtcaccaa gataaagagt cacccaagaa gcgaggtaga accaaatctc cagtgtcaaa 420

<210> 17902

<211> 411

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-048-Q1-E1-H3

<400> 17902

gaagaactct ctgtnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnatctc agatttcgct 60  
aacggaagct gttttccttg gagctctagc tccaggcggt aatgggtccaa catggaacac 120  
attgagattc gcgtttctgc tactgggtct atgtctagct ttcattgctct ctgtagcttt 180  
caccagtggc caatcaatgt tgcttggtca tgttggtctt ctcatgtta nccatctac 240  
tctctttatc ctctcaatt ggtttcttgc tcagacaggc ttagtacaag tggaaacaca 300  
aatgcagga gctgaatttg ttaccgaatg ataaaaacaa aatgaatatg gtcacaccgg 360  
taagaangca acgccttggt taacaggaac aacagttaac aaccagattt t 411

<210> 17903

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-048-Q1-E1-H6

<400> 17903

cagancaaga aaactaacat ttannattgt tgttcagctc gctcttgatc tcgctagagg 60  
gttgagttac cttcattcgc agaagattgt tcaccgagat gtaangacag acaanatggt 120  
gttagacaaa acccggnttg ttaaaatcgc atgattttgg agttgcgaga gttgaagcat 180  
ctaaccctaa tgacatgaca ggagagactg gcacacttgg ctacatggcg cctgacgttc 240  
tcaatggaaa ccggtataat cgaaaatcgc atgtntacag tttcgggatc tgcttatggg 300  
acgatatatt gctgtgacat gccataccct gaccttactt tctctgangt cacttcagcc 360  
gtcgtccgcc ataacctgan acccgatata ccgacgtggt gcccagagcg acttg 415

<210> 17904  
<211> 132  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-048-Q1-E1-H9

<400> 17904

ggctgcgana agaccacaga aggggtacggc tgccanaaga cnacagaagg gtacngcttg 60  
cnagaagacn acanaatggt acggctgcca agaaagacna canaanggtt acggngctgca 120  
acaagaccac ac 132

<210> 17905  
<211> 393  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-049-Q1-E1-A10

<400> 17905

tgtaaagcag tggacagaga cgacgatgag tacgatgaag ccaagccgga gcgacgaaat 60  
atccgacccg gaacagcaga tcaagaacgc gaaccagatc agagctgatt tcgattcctt 120  
ggctcccaaa cgacccta aaccactcg aagcgaaccg ggatttcctg gatctttctc 180  
tgcttccgac aaaatcaccg accatcctga agctgacaaa ttccaatctc tccagtcaca 240  
anctcatggt aaaagttcta angtgaggga gattcatctg caagttcaaa gatgagttcc 300  
tggaacaga gtattactca aatctcaacg ccattgataa agcaacntca caacgaaccg 360

ggaanttggg ttttataaat gtgggtgaaa ggg

393

<210> 17906  
<211> 381  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-049-Q1-E1-A12  
  
<400> 17906

aacacataac ccaactcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnctaacaag tttccggaga ggcaaccgat 120  
cggaacttcg gctcagagtg acaaggacta caaagagcca ccacctgcgc cggtgttcga 180  
gcccggcgag ctagcttcat ggctcttctg gagaactggg attgctgaag tttataacta 240  
acgtttttgt tcctgtacat cactgttttg actgttatgg gtgtnaagaa gtcacccgaa 300  
catgtgtgct tccgtcgggn atccaanggt atncccntgg gctttccgtg ggaanatttt 360  
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<210> 17907  
<211> 388  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-049-Q1-E1-A3  
  
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tcacctccca gctcagcggc ttaagaatct catatactcc cagtgcgac atcaaccgta 180  
tctcccttcc ttcgttcccc gggattcagc caatcgtcgc acgtagaatc tgccctttta 240  
ctgggaanaa agcaaacaga ncanacaaag tttcattctc taaccacaag accanagaaa 300  
gttgcaattt cgtcaactta cnatacaaga nagtttggtg gggaagctgg caaaacgttt 360  
ttgtccaaac ctccgtttta tcaancta 388

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 <211> 410  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB35-047-Q1-E1-G5  
  
 <400> 17908  
  
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 aaagatctct ctcattggga tgtctttctc aggagctggt ctcactggta tggcttcttc 120  
 tttccacagc ggagccaagc agagcagctt cggcgctgtc agagtcggcc agaaaactca 180  
 gttcgtcgtc gttttctcaac gcaagaagtc gttgatctac accgctaaag gtgacggcaa 240  
 catcctcgat gacctcaacg aggccacaaa gaaagcttca gatttcgtga cggataaaac 300  
 aaaagaggca ttagcagatg gtgagaaagc gaaagactac gttgttgaaa aaaacagtga 360  
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 <211> 115  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
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 ttattgacat ggtaattgta tgtaccacaa taaatacatc tatataatat ttcca 115

<210> 17910  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-047-Q1-E1-H3  
  
 <400> 17910  
  
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 aataagcggc caacgatgtc gacaagcggg ttctccggcg gaacgacaaa ggagttgact 180

tggaagtgcg tagaagggttg tggagcttgc tgtaagattg caaaggactt ttcctttgca 240  
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agatgatgga tgggtgtctaa actacgacaa agctacacgc aaatgctcta tttatgctga 360  
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<210> 17911  
<211> 411  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-047-Q1-E1-G4  
<400> 17911

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ttcctcctaa ttctcgcccc cgatccttct cagggttaaag ctgcttacag gaagaaagta 120  
tgggaatcac atcctgactt atttctgat gatcagaagc ttgttgccga gtctaagttc 180  
aaatcgatat ctgaagctta ttcttgcccta gagtctgatt tgactccttt ggagctattg 240  
ttgttggaat tggaagaatg agaataaaat ctagctcatt tgggggttaca agtctgcaga 300  
atcaggacac gtttactctg ttttatatac ttcgatacat tccataacca ttatctctag 360  
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<210> 17912  
<211> 92  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-047-Q1-E1-H4  
<400> 17912

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gaaaaagacn acagaaaggt accgctgcc na 92

<210> 17913  
<211> 422  
<212> DNA  
<213> Arabidopsis thaliana



<223> unsure at all n locations  
<223> Clone ID: LIB35-048-Q1-E1-A1

<400> 17913

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ctttatatat attcaccat taaccatctc aatcttataa ccttcaaat cacaatcttc 180  
tcttacaaaa aactttgaaa gatgaagatt cttnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttcttc 300  
tacttcgtcc aacaatgggc aggatnatac tggtgacaca caagaagaag tggtgttatc 360  
caagttcaag gnaaaccaac ttctgaattt tggnaattca tgggccttgg gcctaantaa 420  
aa 422

<210> 17914  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-048-Q1-E1-A10

<400> 17914

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gtttcccttg tgcgattccg acatcatctc cggatgtgag aaanaacttg cagaggctca 180  
agacgaanga cgtaanaagg aatgcattat gcntctttca tgggctcttg ttcattcaaa 240  
gatgccttcg gatattcaac gtgggattgc aatgcttgaa gctttggtgg ntaatgatac 300  
aantgcaatg aaacttangg agaagctata tctccttgct cttgggttact atcgaagccg 360  
gtgacttttc angaaaccgg gattgtatan aacggtgttt ggangttgaa ccgg 414

<210> 17915  
<211> 417  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-048-Q1-E1-A2

<400> 17915

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atgatcatct tacttctaga cgggaaatct tggttcgaaa ctgcctgac ccaccagatt 120  
cagcggttac tctggattcc tacaggagag atccgtatta catttgtgag cgccatgctc 180  
ttgaaagacc accaaggaca tacatggttt ctccaggtag acaagatgat gacctgtatt 240  
cccggtatgt aacaccggat tcattggctg agtactaccg atcatcacia agatacccaa 300  
gcgtaactga acctgagctt ccgccttcgt tagtaacatc ccgggtatgc ttaatccccg 360  
gtcccnttgc cttaantctc aanggtgaa aatcangaat gtgttaattc nccctaa 417

<210> 17916

<211> 502

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-048-Q1-E1-A5

<400> 17916

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acgcgtccgt acggctgcga gaagacgaca gaagggggtc ggagattacc aacaagagct 120  
ctctccaatc gtcgtctctt tgatatatgg cgtctcagcc tgcaggtggc agtcctccta 180  
aaccttggga aaaagaagga aatacatctg gtcctaatacc tttcaggcct ccttctaata 240  
ctagcacggc tggttcagtt gaggcttctg gcacagctaa tcctggtgaa gtagttcctc 300  
cgcccgtaga caggcctaata acagctgcta atatgaattc actcagtagg cctgtaccgg 360  
ctagaccttg ggaacagcag aattatggga gcactatggg gggagggttat ggttcaaata 420  
tangtatgac tctgggtatg ggtcaaggta catatgggtc agcattangt gggatatggtt 480  
catcatatgg gtggtgggat gt 502

<210> 17917

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-B11

<400> 17917

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gtttcgtcct cacaaccgtc tctgatgcc aagcagagat ggctttatat tcccagagacg 180  
aggttgaaaa gagaggtttt aaagctcgat gtcgtcggaa gagctgctga ttccacgagc 240  
tcttctccat cagtagtttc cggatgata accttaattc ctgatgatga attcacttta 300  
gccaagattt catttggtgt tattgggcta ggtctcgggg tttcgtact ctcgatgggt 360  
tttggggcct attttactat ctttctgga actgaagtgg tcttctataaatgctaaca 420  
tatggatttt c 431

<210> 17918

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-048-Q1-E1-B2

<400> 17918

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gcttggtccc gttgacgctg ctggacttgc tcttagtacg ttccaagtag tggtgggtcc 120  
taccataatt ggagttctgg caaatgagtt ctttcctaaa ttacgtcta agatcataac 180  
agtgacgct ctaatcggag tcattctgac tactctgctc tgtgccagcc ctattggaca 240  
agttgcagat gttttgaaaa cccaaggagc tcaacttata ctcccgggtgg cactccttca 300  
tgctgcagcc tttgctattg gctattggga tttcaaaagt tttctttcgg cgagtccact 360  
tcgcgtanca tttctataga atggtggaat gcaaagttca gcgntcgggt ttcttg 416

<210> 17919

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-048-Q1-E1-B3

<400> 17919

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 tgtgacatat ccaaaacttt gctcaatcaa agttaaagcg aatgggaaaa taaagggttt 180  
 caagtgagtg gttcagtatg tgatgtaacc tctcatcctg agagagaaaa actgatgcaa 240  
 accgtctcct cgatttttca tggcaaactc aacattcttg taaataacgt gggggactt 300  
 cgcgaaaagc caacaacaag aatatgtggc aagacgattt cacttttcat atatcaacta 360  
 acttgaagc tgcttancat ttttgtcaac tttcacatcc tctntaaag gcttcaggct 420  
 a 421

<210> 17920  
 <211> 391  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-B6

<400> 17920

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 aagcttcaac gagaaaagat cggaatctcg ccgtcggtta agcgccgcg taagtaaaag 120  
 acggaacc agaagaagga ggagattgta tttatgtgta gcagcgttta gtgtgaggaa 180  
 ggaggagatt ttgtatatag ttagaatttg cttcgaagac gatgtcgctg agaattaaat 240  
 tagtggtgga taagtttgtg gaggagctta agcaagcact tgacgctgat atacaagatc 300  
 ggatcatgaa ggagagagag atgcagagtt atatagaaga gcgtgagcgt gaagtcgctg 360  
 agcgagaaac tgcttgaaa gctgaactcc c 391

<210> 17921  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-048-Q1-E1-C6

<400> 17921

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 agaagaggag gaataagatt cgcgataaac ggccactcat acttcaacct tgtgctgac 120

acaaacgtcg gtggtgccgg agacgttcac tcggcgccga tcaagggttc aagaacagtg 180  
 tggcaagcta tgtcaaggaa ctggggggcaa aattggcaaa gcaactctta cctcaacggt 240  
 caagcacttt cctttaaggt caccaccagc gacggccgca cagttgtctc cttcaacgcc 300  
 gctcctgccg gctggtctta tggccagact tttgccggtg ggcagttccg ttaaaaangg 360  
 caagttggtt aatctctctt ccatttatct aaagtanact catttgtgtg gta 413

<210> 17922  
 <211> 414  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-048-Q1-E1-D1

<400> 17922

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 tcgtgtggtg tcgtttctaa ttgtgatttt ttaatatgtc atcaaaatgt cgaagaagag 120  
 gaaggctcgt agcggctact tgaagaagtc atcacaagga ggagacgaag ctgtggtaca 180  
 gcgaagaaaa ctagttccaa aacctggtaa aattgggaaa gagattgatg atatctttgc 240  
 tgggagatct cagaggacgc cagaggtcca aaatcccagag tcgaagagac acgccagaaa 300  
 gcccaagtat ccgagtccga gagacactag agctgagatg aatgagctca atgttggggg 360  
 caatancaac actgaaaagc ccnacctaag gacgagaatt ctcaatnacg acac 414

<210> 17923  
 <211> 238  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-D11

<400> 17923

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 ctcacgagtt catatgtgac attccacttt tggttatgac ttagtggaag cttctcgtaa 120  
 tctttttcag gtgccagcgc ttgagcacia tggaaaaatc attgggggaga gtctgggatt 180  
 ttgattaaat atcttgataa cactttgaaa gggcctcccc tttaccccga agattatt 238

<210> 17924  
 <211> 195  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-048-Q1-E1-D2

<400> 17924

ctccgtagct agtgttttag tttccgtctc tgtttgagaga ttgtgtagaa tgtttttagtg 60  
 ttattattaa acaagtcatt tgaaagattt ttggattcat actgagaaga cccaaactat 120  
 gttgcaagct ctacttacca gaatgtttta gaattattgag ttgacaaaa naananaanc 180  
 aannnaacnn aaaaa 195

<210> 17925  
 <211> 399  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-048-Q1-E1-D4

<400> 17925

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 tctgaattat gtgttactgg catttgctac tacagctact ggactgatca tatactccat 180  
 gaangagaaa gatcaanagg aacacagatt tgaagaagtg ggcgacgagg cggctatgca 240  
 gaggaagttg ttaggtgagg atgatgagcc gggaacctaa ccacataggt ttttgtcaat 300  
 tccatcgact gtgtgatatt atattattgc atccagcaaa aataaangat cttttgagtn 360  
 gagaaaagtt aaggacaccg ttggtgactg ttaanagtg 399

<210> 17926  
 <211> 160  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-048-Q1-E1-D9

<400> 17926

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tagtaaaaaan aanangnnnn aanggannga agaaaaaaag 160

<210> 17927  
<211> 399  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-047-Q1-E1-A10  
  
<400> 17927

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gtggtgaata ttgaagaaag tttctctgat atttgttaga tggaagaaga ttgcgaagtt 120  
tcgacattgg gatgagttga ttccagatgc tcttggttta atcttttagcc acttacctct 180  
tcaagaagta ctaacagtgg tgcctagagt ttgcaaagca tggaacagag ctgttactgg 240  
accttattgt tggcaagaaa ttgacattga gctgtggagt aaccgttttc accaagtctg 300  
atcatcttga ccgatgctt gagatgttgg tcctagaag cgctggctct ttgcgaaaac 360  
tctcccgta ctgggccttc gaaatgactc taacctctc 399

<210> 17928  
<211> 405  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-047-Q1-E1-A4  
  
<400> 17928

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ttcaatacat agctcctcag ggacaagaaa tcccgcgta ttttttcccg tcgttgcaga 180  
atctacagag ctactcatt tcgcgccta acgacactgc ttgcgtccag gaactcaacg 240  
aacgtggatt tctttaccct tcaggtcttc cttcactcga attcttcttg ccanaagttg 300  
atccttcaag tgagccattg cttctgtttc ctaagaggac attccaacca agcactataa 360

ggcgtaaacy gaaccatgga attctttgct ccggaaggca accaa

405

<210> 17929  
<211> 138  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-047-Q1-E1-A7

<400> 17929

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gttcgtctga taattccaag aatgtatata aatttgcagg aaaatattga aaaatgtcag 120

tgtttagtaa taaaagta 138

<210> 17930  
<211> 288  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-047-Q1-E1-A9

<400> 17930

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ttccatcatc acccttatct tcgctgctct tgttctcttt gctgctttcg acgcactggc 120

aatggtggaa gcacagaagt tgtgcgagaa gccaagtngg acatggtcaa gggtttgcgg 180

aaacagtaat gcatgcaaga atcagtgcac taaccttgaa ggagccaaac atgggttatgc 240

aactatgtct tccaacacac aantntnacc cgttacntcc aagttaaa 288

<210> 17931  
<211> 433  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-046-Q1-E1-H1

<400> 17931

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tgcttcagtg atgctatctt cggtgacatt gaaaccagct ggtttcacgg tggagaagac 120



ngcggctaga aggattaccg tcgctcacia gagctcgtec ctccttcaaa attgtcgcca 180  
 agtggcgctca agaagatnaa agaccgacaa gcccttccga attaacngca gcatggacct 240  
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 cgttcgacaa gtattggaag cctaaacgtc gatggatata atccctaatt taaaaacgaa 360  
 gaaccaattg gtccaccaat tggtnnacct tntacnaang ggaaaggagt cnaccggaat 420  
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<210> 17932  
 <211> 426  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-047-Q1-E1-B1

<400> 17932  
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 aaggcttttt gaacgagctt tggtttacgt tggaaactgat tttctttcct ctccgttggtg 180  
 ggacaaatac attgagctaa aaatcgtcgt cggtggaacgc aacagagaga aaggtgaagc 240  
 aatggtggct aagctgggaa nagaattctg aattttctca agtagatatc aatgatgcta 300  
 agatgcttga gacaaagttt aagagacgtt gatctttag tccatgcccg ctggaccatt 360  
 ccaacaaagc acctcgatgc actgttcctt gaagctgcca taaanganca aagactgcat 420  
 atctcc 426

<210> 17933  
 <211> 217  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-047-Q1-E1-B5

<400> 17933  
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 ggaaacaata actcagagtt gcttgatggt tgcttttatt atcattttct ctttccaata 180

aaatgaatct tttatgtcga atgtgattgg atattgt

217

<210> 17934  
<211> 396  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-047-Q1-E1-B7

<400> 17934

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ggcgtcaatg accatgacat cttcatttct ccctaccgtc tcaaaccttc cggcaaacat 120  
ctccagcaac agcagangaa gcctcacggt ggtcaaagcc tccgggagtg aaaacacaac 180  
caagcttgga gaacaacaag caagaacana gcatgaanat gaggagggat cttgtcttca 240  
cagctgcagc tgcagctgtg tgctccttac ctaangtggc aatggcagac gatgagcccn 300  
agagaggaac aganngtgc caaggaagaa gtntgtcca gtctgtgtca caatgcctat 360  
ccgccnagaa tatgcccgtg actgagtttg ctatgt 396

<210> 17935  
<211> 419  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-047-Q1-E1-B8

<400> 17935

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tcggagaaac tgtagattct atcaaatac ttcagattcg tcagcttttc actcaggcca 180  
tcagtctagg gatgattgtc acatctgctt tgatcatatg gaaagctttg atgtgtgcca 240  
ctgggaagcg aatctccggt ggtggttggt ctctctggga agcatgggaa cccggtttta 300  
agaaggggga tatattgttc ttgcacatga gtaaagaccg gattccaagc aagtgaatt 360  
gttgttttca atgttgatgg gtcctgatat tcccattgtc catcgtgtca ttaaggttc 419

<210> 17936

<211> 409  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-047-Q1-E1-C2

<400> 17936

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acttgcaagt attacagcgg ttaccctaag gatctcgggc catcgcgggt tctccatttt 180  
acatcaagaa ggagagtttg tccaactcct tcaccanggc tctcctgtgg ttgtcgcatt 240  
caccataaag agtaantaca cacaacatct tgaccggatg cttgaggaag ctgctgctga 300  
gttctatccc aacataaaat ttatgccgtg ttgagtgttc caagtatccc ggattctgca 360  
taactcgcca agaaaaatga atatccttc attgaaatat tccatancc 409

<210> 17937  
<211> 409  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-047-Q1-E1-D2

<400> 17937

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ttcgatcgtg ccagtgaagt taaagctttc gatgaaacga aaacgggtgt gaaaggactc 180  
gtcgactccg gagtttcaca agttccacgc atctttcatc atccaactgt caaattatca 240  
accccaaaac cacttccttc ggacctgcta catctcaaga cgatcccaac gatcgatctc 300  
ggaggacggg acttccagga cgcgattaag cgcaataacg cnattgaaga gattanagaa 360  
acagcaagcg aanttggggg ttcttccagg tgattaaacc aaggagntt 409

<210> 17938  
<211> 402  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-047-Q1-E1-D5

<400> 17938

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tacagtaagc aaagctttga gtaaaatcga cggtaggactt ttcgccgtga agtcgataga 180  
tctcgccacg tgtcttcctt ctcaagcaga gtcgttagag aacgaaatcg ttattctacg 240  
gtcgaatgaag tctcatccaa acatagtgag gtttctcggg gatgatgtgt ctaaagaagg 300  
aacggcgctg tttcgaaatc ttcatttaga gtattcaccg ggaaggtgac nttgcnancg 360  
gttgganncc gttaangaaa cgccttctca cgcgttacgt tn 402

<210> 17939  
<211> 416  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-047-Q1-E1-E1

<400> 17939

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tctaagagat ggcttccact tgaatctaac ccagatgta tgaatcagta tctctgggga 120  
cttggctctg cccctgatga agcagagtgc aatgatgtgt atgggttaga cgatgaactt 180  
ctagagatgg ttccaaagcc tgttcttgct gttctcttcc ttacccaat caccaaaaag 240  
agtgaagaag agagaatcga gcaagacaag gaaattaagg aaaagggtgca tagcgataaa 300  
gtttacttta tgaaacaaac tgttggtaat gcttggtgaa ccattggtct tcttcatgct 360  
attgggaata ttacctctga aatcaaactc tccgacggat cgttcttgga tagatt 416

<210> 17940  
<211> 508  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-047-Q1-E1-F11

<400> 17940

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 ctgcgagang acgacanaag ggggcaacag cancanaagt ggacagaaca ttatccnaat 120  
 tatggancaa nancangaag gcanagcaac gaaagaaaga attcaagtga atgggtactt 180  
 gttatacaaa acctcaccca aatccccacg tactgacgca tctaccctc caaactcacc 240  
 gatattacan ccaatccacc gccgtgaaaa tccaacgata aacgacgatg atgaagattc 300  
 tgttgteccc tccancgtga atctttggct tccgtggcga gtgattgaga ctaccaagaa 360  
 gcgattaatc aagaactcag tgtgcatctt tcangccgtc gaaaggggtg gttgtagtta 420  
 cctaactcgt aaaatggtaa tttggtcatt aacaatcaat tgangcntcc tcgttggtcc 480  
 tgaagccntg ttaagtgaag ccctgaa 508

<210> 17941  
 <211> 409  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-047-Q1-E1-F4

<400> 17941  
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 cggcgtcacg tttatcgctg ttctcgctc tctctacttc agatcttcct tcaagtctcc 120  
 acaacaccaa tatcaaaaga ggattatttc tgctgaagaa ttggcattgt ataatggtac 180  
 tgatgaaaca ttacctatac tcttagggat tcttgatct gtgttcgatg tgacgaaagg 240  
 aaaatttcat tacggtagtg gangaaggta caaccatttt gctggaagan acgcttcccc 300  
 gtgcaatttg tttcctggca actttacaag gagatggact tacagattcc ttacaaaggg 360  
 tatectaacc anttaagggt aanaancatt gttgactggc gaaggtttc 409

<210> 17942  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-047-Q1-E1-G10  
 <400> 17942

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 cgaggaagtt ccaacagaaa cagttctcag cctcatcttc ggcgtttcca gagccaccac 120  
 cgggtgtctcc atcttccggg gtaggagcat ttctgggtat tcccaagatt attcgctcgg 180  
 aatccgattt attagtctcc aagtacatca gaattgcccc gggtcgattg acgaagaagg 240  
 gtgattacac agaggagaag ctaaaggaaa tgttgtctgg tgaagacagg gtagggatcg 300  
 gtgagaccat gaagttactc gagggtcgca aactggact agtatcttct aaaaaaccaa 360  
 actccggtcg attcaaaaat tgatcctcng tttccatcat caaactttca atttcaa 417

<210> 17943  
 <211> 210  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-047-Q1-E1-G2

<400> 17943  
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 tatattanag atccatggcg atggcgggtct ccggagctgt cctcantngg cttgggtcct 120  
 tcgttctctca ncggaagcaa atagaagtgc caccgcattg gcaaaccggc gtangcactg 180  
 gagctcaaan aatttgccag gaaaactcct 210

<210> 17944  
 <211> 408  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-047-Q1-E1-G3

<400> 17944  
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 tccttctcca ccttgctttc caatctcaag ctttaactct ccttgaaaat gatgataaac 120  
 gcaaagaagc tcatgaagtt ggccaagaaa tggcaacaaa gagcagcctc aagagaaaaa 180  
 gaatttcatt tcaagagatc aagtattact actagcagcc aaacagctgt agaaaagggt 240  
 tgtttctgtgg ttacacggc tgataagatc cgtttttcat ttcccttaag ttacctaagc 300  
 aacactattg tccaagagct cttgaaaata tctgaagaag agttcgggtct cccgacggaa 360

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408

<210> 17945  
<211> 385  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-044-Q1-E1-C9

<400> 17945

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ctcctgttga agctggggtc acatggggcca tagggaagcg tagaagancc gaangtggat 180  
ttcttggcnc ggatgtgatt ctccagcagc ttaaanatgg acctacaatc agaaggggtcg 240  
gtttcttctc ctcagggacc accccgcaag gtcgcatagc gaggttcatg atgagagtgg 300  
gaacaagatt ggganagatc acangtggag ggtttanccc cgaacctgaa ngangaacat 360  
agccatggga tatgtgaagt caggt 385

<210> 17946  
<211> 423  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-044-Q1-E1-D1

<400> 17946

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tggagctgat gctcagtttt cttcttccaa tggaagggtt gctattcctt cctcttctct 120  
cgtaaaggga ctaagaagac accaagatgc aaagttggtg ggcaacagag ccagagttgg 180  
agtagtacga gtccatagcga acccaaagt atctctctct cctcctccag gaaaagcaaa 240  
ggtaaaaaag aggtaatcat ggtaggcct cttgaggcta agcgggttagc tagtaagcaa 300  
atggaaagag attaaaggca gagaaaagca acagagaagg cgtgaaatag aaggctatta 360  
acgggagcat gggcaatcat aggactcatg ataaggctgg tgatcnaagc tcaaacgggg 420  
aaa 423

<210> 17947  
<211> 457  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-044-Q1-E1-D2

<400> 17947

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aggtaaagaa actctcaagc tcaacaccaa gagggagcca agaccacaaa caaagccaag 120  
tcgaaaggga accganacaa gctnacaaag aacaaactna caaangcccg aacctcaatg 180  
ggcaagttnc aaagggttgt aacctnaaag ttgntctaaa gcccgcgaact cctnacgaat 240  
caagacnaac tccgaacaag ggtnaagtcn ccggancctc tgctgatatc ttaaagctg 300  
ccnagaaatn cggttaagttc catnaaaaga attacactgg tcagtaactc nacaaggntg 360  
agaaatntct cnacgactnc cantcctcaa antccaacgg tgctgggtggc cctcctcctt 420  
ccgnacaatt aaggctgagc caagcaagtc agcctga 457

<210> 17948  
<211> 429  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-044-Q1-E1-D4

<400> 17948

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cgttctcaat tcttatcgat ttaagancaa atcatctaac gaagattact tccgaagatc 120  
agaaacaaaac acaaactgtg aatcgttggt tgtaattct ctttaaaatc gccagaagaa 180  
agagatctcc gtttctaca gaagaaaagc aaagagaagt aagaatgggg atcggaacaa 240  
aaccgatagc actaagcttc acgccantcg caaagcttca gannccaaaa gctatgttgt 300  
taaanggatg tggtttctt ggaatcacca atcanacatg gatctcctgg ttctaaaatg 360  
tttacaagaa ggcattttgt tgctgaagga aagctcaaaa caagcaagtt gccaaaagct 420  
gctgtttga 429



<210> 17949  
 <211> 384  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-044-Q1-E1-D7

<400> 17949

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ggaaaaaaa agtgagcgtg ttgatgcata acgaacgatg ccattttccg catcaatctc   60
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caaaacccta atcttcgcca gaaccaggat ctctggtttc ccttatcttg ctccccggcg  180
atcccgcgat ttcatcaacg ggagggatga ttctgctgac gatacgagga gctggaaccg  240
gaaagatcaa accggagtat gggttcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  300
nnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctgttactta gatttgtana aaatgttttc  360
aagaaagatt tctaagagag caag                                           384
  
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<210> 17950  
 <211> 385  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-044-Q1-E1-E12

<400> 17950

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caagtgtgga gttatcagtc ctcgtttcga tgtcgggtgtt aaggagattg aaggatggac   60
tgctcgtcta cttccttcca gacagtttgg ttctattgtt ctgacgacct cagcgggaat  120
catggatcat gaagaagcta ggagaaagaa cgttggtggc aaagtcttg ggttctttta  180
ctgaagcagg gtctcgagat ctatcttata gggttatagt ttggttctct gtaagtcgat  240
tgacctcact gtcaaagtag tangttttat atgttggtgt cgctcggata cgtaaaaact  300
tgagatgag tanactaatt aatttcangt ttttgaantc gttagacttg cgatttatga  360
aatcaaaatc atctttcttg actaa                                           385
  
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<210> 17951  
 <211> 417

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-044-Q1-E1-C4  
  
 <400> 17951  
  
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 agcatcaggg aatggcagtc catgatgact ggcaaagctt gaaatttaag ggattngaag 180  
 aacaaaangg aaaaacgttt naacnattaa aagaatgaag aagctgcana aacaagtnat 240  
 tgntggagaa aatcngtgaa ncgggtcnaa cccatgangg acttgccgca agtcctccaa 300  
 ctgaagaatg ccnncaagcc aatttcgaat ttgattttgt caagttctga aggtgtccaa 360  
 aggacaagga tttttttcgt ggcattgtcc tccggacaca agcaaagaat taagaag 417

<210> 17952  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 17952  
  
 ctctgttttt gaaagaagtt ttacagagtc gatcgtctaa agcgttggtg aagcacttgt 60  
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 taccatattt tagcatgatt gtttgataaa cgcttgataa attgcctctt gttgtcacct 180  
 ttgctacgaa aatgtctctg gtttgctctt tatcttggtg agtcccttg ccacagacta 240  
 aacaagtcgc gtccaagttt tctgaaactc gaaacatgta ccttaagttt atcttctccc 300  
 gctggctatc ctaattttac caccggtatt aggaagcata tcagttactt gttcactgaa 360  
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<210> 17953  
 <211> 462  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations

<223> Clone ID: LIB35-044-Q1-E1-F8

<400> 17953

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atcgaanctc gcaactatct caaggaggag aaagattgcg atatatgcgg cgttgagatt 180  
gcangatgga gcttctgcgg ttaatgaaca accctttcaa aagaaacact gcgtttcttc 240  
tccggtaaata ganggatnag ggattatcct gcgaaaggat acgaaantat gccgaacttc 300  
cttttgnta ataattctct aagtatggct ggtnggcact gccctcnttt gaatgttaac 360  
tggtgnacc ntccaantgt tnttgnnct nactttgnga gtttggggct gggatttcng 420  
nancgtgttt cgggatggna agcaaaatta taagcggnc t ga 462

<210> 17954

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-044-Q1-E1-G1

<400> 17954

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ccaagaatag gatatttgcc tctgttgatt cctcttataa agccttattt caaggattca 180  
cttctcctg gtgaagattc aatttggttt gattacaaag gatttctctt aaaatggat 240  
ataccaacag gtgttctttt cgatctcctt tgtgcagaac ccgaaagacc atggaatctc 300  
acgatacact ttagaggata tccttgcaac atactgatac catgtgaagg agaagattct 360  
gtaaaatgga actttgttaa ttctttgaaa gangcacaat atatcatcaa tggaaattgc 420  
aagaat 426

<210> 17955

<211> 382

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-044-Q1-E1-G11

<400> 17955

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tgaaccacac tccatcagtg caggattgga ctaccctgga gtcggacccg agcacagttt 120  
ctttaaagac atgggacggg ctgaatacta tagcataacc gacgaagaag cgttggaagc 180  
gttcaagaga gtgtcgcggt tagagggaat cattccagca ctggagacct cacacgcact 240  
agcttacctc gagaagctat gtccacatt atcagacggg acgagagtgg tcttgaactt 300  
cagcgggaaga ggagataaag atgttcaaga cagtggctaa atatcttgat gtttgaagag 360  
agaaacactt atgtttgttt tt 382

<210> 17956

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-044-Q1-E1-G12

<400> 17956

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ttatcagaga caccattgat gaagttcttg tttacgatt tggtcgttcc tccgacgccg 120  
tttgtcttca gcatgatgaa atccttgca aatcggtag agatgtttcg aaatttgcta 180  
aggtagcttt ggttgatggt gattcagagg atgttcaagt gtatgtgaag tattttgata 240  
tcacgttggt tccttcgacg atcttcttct tcaatgcgca tcatatgaaa ttggattctg 300  
gaactgcgga tcatactaaa tgggttggtg catttcatat aaaacaagac tttattgatg 360  
ttgttgaggc tatatatcga ggagcaatga aagggaagat gattgttcaa tgtccaatac 420  
cgccaagaga ngataccaaa agtaccagct ccgtgt 456

<210> 17957

<211> 447

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-044-Q1-E1-G4

<400> 17957

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 gcttgggttc ttcgttctc accggaggca agagangtgc caaccgcatt ggtaagcggc 180  
 gtangcactg ggagctcaga gaattggcaa gaaaactcct attgtcgtg ctgcgggtgc 240  
 tcagcctaaa gaaatcttgg gattcctgcc gttaaangtg gtggcaactt ccttgaccct 300  
 gaattgctcc natgntccc taccaaggag aattccggtt ccaccattg ggtttgggga 360  
 aaaaacccgg cttttccgaa aatggtacaa aaaaggctga ncctgatcca atggccgatg 420  
 gggccaatgg aancggttcc ttgggat 447

<210> 17958  
 <211> 398  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-044-Q1-E1-G9

<400> 17958  
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 tattatggag aaagagattg aaaagcatgc tgctgatggc cttggccgag ttgattatgc 120  
 attggcttct ggtggtgctt ttgtgatgga gcattcagat ccttatcttg ttggtaaagg 180  
 gagtagctgg tttgcgacta ccatgcggcg cgctcatagc aatgcgggta agatgttatc 240  
 tccgagcttc ggtgagcctg gacaatgttt tcctctgaaa ggtagcgagg gctatgtgca 300  
 aatcanctg agaggaccaa tcataccaag aggctttcac attggagcat gttagctaaga 360  
 gtgtanccna acgacagatc gagtgctcca anaagatt 398

<210> 17959  
 <211> 418  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-044-Q1-E1-H10

<400> 17959  
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ccaaacatga ggccaagctt cagtcaaatt atcagactgc tcaatgagtt cctccttacc 120  
ctgactcctc cgcctcctca gcctctgcct gagactgcca ccaacaggac caatggccga 180  
gccatcactg agttctccat ccgtccaaaa gggaaatttg ccttcattcg ccagcttttc 240  
gctgccaaga ggaacataaa ctcttaggta caagaagggg tcttctttgt ctttgccact 300  
gccactgctt tgggtggataa atgacattag caagagagag agaagtagaa agttagactt 360  
acttaaagtc tatagcgtag ttaagtactc aatcctcctc ctgtcaagtg attaactg 418

<210> 17960  
<211> 428  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-044-Q1-E1-H3

<400> 17960

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ccaacatgct ccaaaccctg atggctctat cagttttctg gtgattggag attggggtag 180  
gcatggactc tacaaccaat cccaagtcgc cctccagatg gggagaatch gggaggagat 240  
ggatatcaat tttgtgggta tcgacgggtg ataacatcta cgataacngg atgaaaagta 300  
tcgatgatcc cgccttttca actctccttt agtannatct acacttctcc tagcctgcaa 360  
aagccttggn accttgtatt ggggaatcac gactatagaa gganatgttt gaggacaatt 420  
gagtccta 428

<210> 17961  
<211> 74  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-F1

<400> 17961

ctcgccaac gttcgcccg gtttccccg tcaaggctc cnaaatccgg ggggtcccct 60  
ttaagggttc ccgn 74

<210> 17962  
 <211> 395  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-043-Q1-E1-F10

<400> 17962

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 ctggaatgat tccgatggat ttgctgcaac catttctgat actttaaac ctagccctag 120  
 ttccccctctt cgcaaacctag aagaacagat ccagcttccg ttggataagt atggcggtga 180  
 aggtgtggaa accggcgggga gtatcgttca tttcgtanat gaaaatgaag tttatcaggt 240  
 ctcgattttt cttcttcgaa gttatgagcc tccagtacta agtgtgtgct atgaatgaac 300  
 tgctggacct aattacaagg ggatctcaac tctaccaca atcatagctc ctttccttgt 360  
 gggcggggatc taaagctcaa agttcaatta acaga 395

<210> 17963  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-043-Q1-E1-F8

<400> 17963

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 accttcaacc gccggagccg ccgcaaggaa ggctcatcat ccgccgtggt aattttttga 120  
 ggtgtacaaa gcattgccta tttgacgaac caaggaaatg gttaaaaggc atggagagtt 180  
 ttgatttaca agatatatca tgtcgcagtn gcatagacgg tttcaagcat gtatgctcct 240  
 cttttttccg ggtgttttga tatncgatat ttacanacaa tctggaaggc cttggtgacc 300  
 ctgaacttct tgcgaaaaaa aacatttttt angcgtgagt ggaaatnaga aggccctcta 360  
 tgaagcccgg tttantgaaa ntcaacannt gccggtgaaa ttgaagaatg ggggctaata 420  
 aaac 424

<210> 17964

<211> 417  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-G11

<400> 17964

gaagttaaaa aggcgaaaag ctacagaacc cttttggaag cgggtgttgcc tatctttaag 60  
agcgtcggag gtgatataac tgggagactc ttgatgagat gttggcctat ctggaatact 120  
tcccagtagc gagaccaacg gagctgaaca ccgtaacaa cgcacctaca acccatctca 180  
agagcttgga cacgagggag aagggttggtg cctggatcaa acagtgggtgc atccaaaacg 240  
caagccatgt agctttttgt ttcgggttct acatggccat tgcgaagaan ggtgaccagt 300  
taccctaaag acgtcctgcg ctttgagggg aactcaagaa gacaatttga actttttntc 360  
tttagcactc atagaanaag agcananaga ccannacgga taatatgaag tctttan 417

<210> 17965  
<211> 388  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-E9

<400> 17965

tcacacagat aataatcctc agcttctctc tcgctggatt tcaacattct tccactcatc 60  
gcttctcttt accaaatcaa actcaacact tcaactcaact cttatcggac cttccaaact 120  
atatccttca atggatctat ggactcttca attanaagac gtcangatcc gaaanctat 180  
cttctcatca tcgatccctg agaaatcatc gtcgttttctn aggaaacttt gtgaattgga 240  
ntttagggtt ctcaantcgt aagggttctg cttctccgta gcgttccttg ggttggttoga 300  
ngctagctcg nangaaagag taacgacgat tcttcgtctc ctgangcttc ncaggaaana 360  
caaaccttct aaccggcaan aagtccgg 388

<210> 17966  
<211> 185  
<212> DNA  
<213> Arabidopsis thaliana



<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-G12

<400> 17966

agagagattc gattttctctg gattttttcaa aaatgtttct ccaatcgcaa aaactatgga 60  
cgatgcttct aattctagcg atttggtcac caaatttcac actcgcttca cttcgatnta 120  
cactcaggtc gcaanaaagt nantngctga aaaaaccctc naatatttta ggctcaagtt 180  
catca 185

<210> 17967

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-043-Q1-E1-G3

<400> 17967

cagaatctga gaataagcta accgattccg atttcgagtt cgtcgccggg aggaatgaac 60  
cggttgaagg agcaaaaggg gccgaagttc gacggcgaag aatcacctcc acctgatttt 120  
gatgaagatc gaagtgtggg tgaggtagac ggaggagatc acacgccatt cgctgggggt 180  
aaagtcagaa ggaaagcgtc tcgctataga gagcatcgtg gtgactatct tcacgtttct 240  
tctcgtcctg gattgatcg c aattctggag aaacaaggtg atacatcgat tctttttgct 300  
gataaagttt tgaagttcac cggctcgggg aagatgaaac ggcgtatttt taccctcact 360  
gattttgcga tctatcctaa ttgattcccg agactgaagc ctatgaccaa gagaaattgc 420  
nttgtcatca gtaga 435

<210> 17968

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-043-Q1-E1-G6

<400> 17968

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gaccaaattt tcaactaatc tgattttctcc ggcgaagaac atgggtgaaga ttcactcctga 120

caaggcgttt cctgtggatt ttagcgtggg agaaggcaag acttcgccgt acttaacgac 180  
 ggagaaagag agtttcacga ttggatgag atctcttggt tttcatagta aaggctgcac 240  
 agtttttgat tccaaaggaa acttaatcta tcgagtggat aattataact ccaagagttg 300  
 tagtgaaagt ttaccttatg gacttatacg gcaaaatcnt gtttacatta cgtcaaaaga 360  
 aattgggatt attcaaactc tggaaaggat ataactcaac cggggacaag attcaactaa 420  
 gaaa 424

<210> 17969  
 <211> 428  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-043-Q1-E1-G7

<400> 17969

cacagagaag ttcataacgc atatggatat tacttccaca tggcgacttc cgatggactt 60  
 gttatgcgtg aagaaggaaa ggataggcct tttgtattgt caagagcaat ctttcccggc 120  
 actcaaagat acggagcaat ttggactgga gataacacag ccgaatggga acaccttaga 180  
 gtctccattc caatgatatt gacacttggg cttactggaa ttacattctc tggagctgat 240  
 attggtgggt tttttggaaa tcctgaacca gaacttctag ttaggtggta ccaagtgggt 300  
 gcttactatc catttttcag gggcatgct catcacgata ccaaaagacg agagccttgg 360  
 ttgttttggt gaacggnaca cagaactcat gaanagatgc catacacact cngttacaca 420  
 ctgctccc 428

<210> 17970  
 <211> 411  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-043-Q1-E1-G9

<400> 17970

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 cgctggagga tatcgccgac gcggctcagc caagtggagc atttaagtgg gactctgaaa 120

ccgatttgaa ggtegcacggt tagttatatt ttatatgatac gatcgtctaa tcacaaagaa 180  
 agtaagggaa agaatacaagg aagtaagaat aagaagataa taaataaaga gaataagaag 240  
 aggcatttgc aactttaaga ggttaaaatt tcttaaatga gtctgagttt cgttgtgtgt 300  
 tttgggtgta ccataagaaa taaaacgtac ggggttgcta tgtattttgt gaagtgtgta 360  
 tttctgggtg aatattantc ctgcgtaata naaaaaatat gtgtagtana a 411

<210> 17971  
 <211> 262  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-043-Q1-E1-H10

<400> 17971

gaaaggttct gtgtttangg ttctggttct gggaagctcg ttctcaccgg aaaaccgaag 60  
 aatatgatcg gagtcgggaa aatgaaacag tactccaacg tccttganaa gcctctcagc 120  
 aaaggcaagc aagaggtgag cttgaccgca ttgctttct tattctcgga gctcgttcag 180  
 tacaatcaaa cccangttga caatagtagc tgaactnaaa annaagncta naggatgctn 240  
 nggtnttcaa ttggatttc cc 262

<210> 17972  
 <211> 393  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-043-Q1-E1-H7

<400> 17972

agaacaatta cttccaacgg agaatggcct caattgtcgg aattcgaaca agattcctga 60  
 gtttcgggaa gctttcacia atctcttctt cactgttgag aatacacaat cctcgtaatc 120  
 atcagaatcc tcttattctc cctcttcctt gtttctctgc cgctcctagt cgctcatcgc 180  
 ctctgatttg gcttcgctca tctccgctg tgtcctcgat gaccactcag gctgaatctg 240  
 ggtcttccca gcaatccgat tcttccaaaa cgggtgaagag tgggtgataaa gggaagagta 300  
 cagggaagtg tgctacagaa actggactgt tgagaacgct gagcanctgg ggataaaagg 360

gatgggttag gaaccgçang gatggttcag tgg

393

<210> 17973  
<211> 415  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-H8  
  
<400> 17973

agacaattgg ttatattagc tgtcactccc atctttcata ttcttcacc atctctctct 60  
ctctcgatct tgtgaaccac tacacacact aacacaatga gagagatcct tcacattcaa 120  
ggtggtctat gcggtaacca gattggttcc aagttctggg aagtcactctg cgacgagcac 180  
ggcatcgatt ccaccggacg ttacagtgga gacactgcag atctccagct tgaacgtatc 240  
aatgtctatt acaatgaagc ttcaggtgga aagatgcgtt cctcgtgctg ttcttatgga 300  
tcttgagcct ggtactatgg atantatcaa gattcggacc gtttggtcag atcttccgtc 360  
ctgataactt tgtccttggg tcagtctggt gctggtaata attgggctaa angtc 415

<210> 17974  
<211> 91  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-044-Q1-E1-B2  
  
<400> 17974

acacactcct tttattaatc ataaagttca taaaattaaa caagaagact tttcattaaa 60  
agtctcctan attttttgga agatactgaa a 91

<210> 17975  
<211> 423  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-044-Q1-E1-B3  
  
<400> 17975

ttttccgaan aactaacaca tgtcgggacc tcantgctgt gaaaacccgc caactcttaa 60  
 cccggtttcc gggtcgggtc atgtcgagaa gctgggtggg cttgatgcct acgtctccgg 120  
 ctctgccnag tccaanctct gcgtcctcct catttctgag atttttgggt ttgaagctcc 180  
 aaacttaatg gcgcttgcn g acaaagttgc atcttctgga ttctatgttg tggttcctga 240  
 ttacttttgt ggangatcct tataatccct ctaaccatga cagacccatc cctgtctgga 300  
 tcaaagacca tggctgtgat aanggctttg aaaacacgat accactactt taaaccataa 360  
 agancaaagg cataactgcc aattggancc gcnagggatg tnttgggggtg caaaantatt 420  
 ggt 423

<210> 17976  
 <211> 423  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-044-Q1-E1-B8  
 <400> 17976

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 agaaattgag gatacaatcg aattaactaa cccaagaga aacgacgaag tagaagattg 120  
 cgacgaccaa cagaagcagc agctagctac acaagaagat gaagaggaag acgaattgag 180  
 aaagcttctg ctttcagata ttggagaact tccgatttct cctccttcag ctacacaagt 240  
 caatttttgt tcttatttca tcacaggatt ttactaaatc gggtcatgat caatatattt 300  
 accgtcacgc taatgggttt gtgtgtaatt ggattggctc ctacgcatat agcttttaag 360  
 gatgaangtg gaatcactag tgtcgatttc aatgttggtg agtctgatcg tagcgtcntg 420  
 aaa 423

<210> 17977  
 <211> 62  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-044-Q1-E1-B9  
 <400> 17977

ggctgcnana agacgacata aggntacngc tgcnggaaga cgacacaagg gtactgccng 60  
cg 62

<210> 17978  
<211> 447  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-044-Q1-E1-C2  
  
<400> 17978

agccgattct tctattagcc gccatggtga agtactcgca agaaccgac aatcagacca 60  
agtcttgcaa ggctagagga tccgatctta gggttcactt caagaatact agggaaacag 120  
cgcacgcaat caggaagcta ccattgatca aggcgaagag gtaccttgag gatgtgatag 180  
ctcacaagca agcaattccc ttcacacgtt tctgcagang tgttggaag aactgctcaa 240  
agctaagaac aggcaactcta atgggtcaagg acgttgggca accaagtctg ctcaagtttg 300  
ttcntgattt gctcaaagaa cgctgagtna aatgctgaag gtgaaaangg tttggatggt 360  
gatgccctct tcatatcaca catccaaagt tgaancaagg ccgcaaaagc canaaggaga 420  
agggacttta ccgttgctca acggaaa 447

<210> 17979  
<211> 421  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-A4  
  
<400> 17979

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tgcgagagta tcgtctttgt tcgtttatcc gatcaaatca tgctgaggaa tttctctgtc 120  
tcaggcagct ctactccca ccggatttcg atgggatcga aactgggtga ttgtgaattc 180  
taaaggaaga ggattgactc anagagtgga accaaagctt tctttgattg aagtagaaat 240  
gcctaagcat gcgtttggag aggactggga gcctgagaag agctctaaca tgggtggttan 300  
gagctcctgg tatggatgcc cttaaggctc ccctaantaa acccgacaaa atancaggac 360

gggtgtctca atttgggagt ggtctggtc cgcactaga tgaacganaa ggagcatcct 420

c 421

<210> 17980

<211> 76

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-043-Q1-E1-A6

<400> 17980

ttacctgacg tttgtgttct ttatatccag tcatgtgttt cttgtttcat gaatttggct 60

gacattcttt tactta 76

<210> 17981

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-043-Q1-E1-B11

<400> 17981

aagaatagat ccgtccgagc tcgaacgcgt tttccagatg ttcgacaaga acggtgacgg 60

tcgaatcaca aaggaagagc tcaacgactc gcttgagaat cttggaatct acataccaga 120

caaagatctg actcaaatga tccacaagat cgatgctaac ggtgatggat gcgtcgacat 180

agacgagttt gagtgcgtgt acagctcgat tgtggatgag catcacaacg atggcgaaac 240

agaggaagag gatatgaaag atgcgtttta cgtgtttgac caagacggag atgggtttat 300

caactgtggag gaggttgaaat ctgtgatggc ttccttgga ctcaagcaag ggaagaccct 360

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<210> 17982

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-043-Q1-E1-B3

<400> 17982

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cgaggtcgga gaagttgaga gagataacga agtcggcagg attctctcat gcttcaagct 180  
gaattcgttt gagcatctta acctctcttt cgattcttcc acggatgatg ttaaaaggca 240  
gtacagaaaag atttctttga tggttcatcc tgataaatgc aaacatccac aagcacagga 300  
ggctttcggg gcattggcaa aagcgcaaca actgctgcta aacgaccaag aaagagatta 360  
tattcttacc caaagcccat gctgcaaaag aaagagctta agattgaaag agaaagaaac 420  
cagttnaaga aagaccc 437

<210> 17983  
<211> 338  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-B4  
<400> 17983

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cttgtcattg ccaaattctt ggcattgatg tatagttatc taaacatatc tatgagcaaa 120  
aacattttgc ctgatggaat caaaggaaga gagattcacc attctttccc aatgactctt 180  
tttcagcctc atgtantccg tttggatcgt cacactctta aacttttgaa atactggaca 240  
tggcaatttg tggtcattcg acccggtgctc tccactttgn tgatancttt acagctcatc 300  
cgggttttaa ccttcacggg tgagctgnga caattcac 338

<210> 17984  
<211> 345  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-C2  
<400> 17984

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ccgatcaggt anagaaactc tcaagctcaa caccaagagg agccanacca caacaagcca 120



gtcgaatgaa ccgaaacagc tacaagacca gctaccaacg ccgagctcat ggcaagtgcc 180  
aacgttgtag ctgaagctgc tcaanccgca gctcgtaacg aatcaagaca tactcgacaa 240  
gggtaaagtc accngagcct ctgctgatat cttagacgct gccgagaaat acngtnnagt 300  
tcgattgaaa aggantanca ctggtcacta cctcgacaag gcttn 345

<210> 17985  
<211> 433  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-C4  
<400> 17985

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nnnnnnnnnn gaggatgaag gagagatttt ccttggtgaa tccgatgttc tccgnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nctctgttca cacattcact ggtcacaaag gtgaagcttt 240  
atgcattggc ttgtagtcca acaggtggaa tggacaagaa gcttataatc tgggatctgc 300  
agcattccac tcccagggtc atctgcgagc acgaggaagg tgtgacatct ctgacttgga 360  
taggaacctc ccaagtacta accactggct gtgccaatgg tacagtgagc atttgggaca 420  
gcttattagg caa 433

<210> 17986  
<211> 423  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-043-Q1-E1-C7  
<400> 17986

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aacctctgac tggattttct tctcttcca ctgcgtcgac gtctcgaacc gcattcaccg 180  
tcgctccgaa attcgcggaa tcagtcgtcg aagctgaacc ggagactacc gatatcgaaa 240  
gctgtggtgg tttccgatgt ttccggaggt actgaggaaa aagctaaacg agaagagatt 300

ttccgctggtt attaaggttg gtggacgccca aatacatagt gtttccaagg gagatatctc 360  
ctacactcaa gagggctaaa aagatgcaaa atgttgatga acaagattgt tctcaacaaa 420  
agt 423

<210> 17987  
<211> 442  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-D1  
<400> 17987

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tcgacctttc gctactgacg cgggtggttga gtcggattac aagcgtggtg agatcggtaa 180  
ggtctccgga atcccagagg agcatctttc tcgcaaggtg ataataact cacctgctag 240  
aaacagctac ccaagtcagg atctgggnaa acccggaaaa tgggaagatt aaacttcctc 300  
tccaanctta aaattgggag aatccccgtt gattgggatg ggacttctac aaggtgaacc 360  
ctaatgccta atgttggtgg actcctgctt ttgccttttt gattctgaag aaggtgccaa 420  
agtccttttg ctgaancgtc aa 442

<210> 17988  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-D10  
<400> 17988

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aaggaagata ttgttcatac aactggtgg gcttcttggg ttgtatgata aggttgatca 180  
aatggcatct ctgatgggta attggtcccg gatggatggt tcagaatccg ttccaaggaa 240  
tgatggatga agcggaaatg ttaatcaccg agtaaaacac tcttggcagt cacagagtct 300

gcgacaacac gcagatagag ttgagtctct aagtcattgtt tgtacatata catacaataa 360  
ctaagacaag tcttttctgt aagacttggg atgaaatgtc natatatcca ttaagtac 418

<210> 17989  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-D3

<400> 17989  
  
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ctcgggtttcg tcgtctgatg tcaacgacgg cgatgatctc gtgatccgtc aggtgggttg 120  
tggagccgag cctcagggtt tgacctcaga ggatcacttt tctctcttca agcggaagtt 180  
cggaaggtc tacgcttcca acgaggagca tgactataga ttctccgttt tcaaaacgaa 240  
tctcangcga acgangtgct accagaagtt ggattcgtcg gcgactcatg gtattacgca 300  
gttctcaaat ctgactccgg tccgagttcc gtaagaaaca ctttgggggt taagaaatgg 360  
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<210> 17990  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-D8

<400> 17990  
  
agaagacaga acaaaaaaaaa cacaagaaca gggcaaggaa aatgtcgggt ttctctctgt 60  
tcctcgtcct cttacccttg atcttaattt tcttgaacgt ttgaaacct tcgaaatata 120  
agcttcctcc ggggtcaaag aagcttccca tcatcgaaa cttacaccaa cgcaggacac 180  
tacatccgag gaatcgccgt aatctcgccg aaatgtatgg accagtggcg cttctccaat 240  
acggattcgt ccccggtggtc gcgatctctt cgaaagaagc agcagaggaa gtgctaaaga 300  
tcaacgatct tgagtgttgt agtcgaccag aggcggccgg aatgagagca actttttaca 360  
acttcaaaga catcgggatg gcacccttcg gtgacgagtg gagtctgang ccga 414

<210> 17991  
<211> 448  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-D9

<400> 17991

gaagggggct cacaaaaaaa agaaagaaag ccagagtaag aaaccatgga agacgccata 60  
tatgttgcag tgaatcaaga tgttcgagaa agtaaaaaaa ctttgttatg ggctttgaaa 120  
aatcttcaag tcaagaagat tttccttctt catgttcattc ttccattttc gttgaccact 180  
tcttcaagta ggcttgaaca aagtgaagatc gatgcaatcc aagattcana actgaatact 240  
tcagtanata gcctctacaa gtancgtgat atctgcataa nacaagggg ttaatgaana 300  
aagatgtggn tacatcaatg gatctcanga catgatgtgg gggaanggat tgtggnactc 360  
atctatcaan acattatcac gaancctcng ttatggggag naagcagctg attcctccag 420  
caattccaag ggggaaangt ctatcaca 448

<210> 17992  
<211> 283  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-043-Q1-E1-E1

<400> 17992

gagaagaata gtttgatcat cttgtgagaa aaataatggc tgcttcagtg atgcctatct 60  
tccgtgacat ttgaaancca gcttggtttc acgggttgga gaanacngcg gctaacagga 120  
ttaccggttc gctcaciaag anctccgtcc ctccctcaaa aattgtcncc aagtnggcgt 180  
caagaaanatt ttaagaccgg acaaggcccc ttccggaatt taacgggaan catgggactt 240  
taagggacgg gcnnntncaaa gttccccggc caanaaaggg cca 283

<210> 17993  
<211> 426  
<212> DNA  
<213> Arabidopsis thaliana

[illegible]

cgaacaaaca	tgagcttgac	gctgcttcaa	ggctattctt	ctnnnnnnnn	nnnnnnnnnn	60
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	120
nnnnnnnnnn	nnncttctgt	gtttgatttc	tctgcatctg	cctcctccgc	taaaaacgcc	180
ggccttcctt	cagctgacga	cgttttctct	cagatttcag	ggccaccgga	gtttctaaac	240
aaccgcacag	aagcagataa	tgaagcttca	gctagagatg	cagaacatgc	aaatcgtatt	300
agtcgcaaaa	agaagaaagt	taaaccaaaa	gggtgtgtca	tggaagcaaa	acctcaacta	360
ngtaggaatc	catgagagag	ttaanaaacg	atattn gatg	caacccaat	cttcagaaga	420
gttggn						426

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<223>      unsure at all n locations
<223>      Clone ID: LIB35-043-Q1-E1-E3
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tgttggtggt	atcacagcgt	ttaattttcc	ctgtgcagtt	cttggttggg	atgcttgat	60
tgctcttgtc	tgtggaaact	gtgtagtctg	gaaagggtgc	ccaactacac	cgtaataaac	120
tatcgcaatg	accaagctan	tanctgaagt	tttagangaa	aaacanctta	ccggggtgcc	180
atcttttacgg	ccatgtgtgg	tggtgctgaa	attgggtgaan	caatagccaa	agacacacgc	240
attcccttag	taacccttta	ctggaanccc	ccagngtggg	ctcaatggta	caacacacag	300
ttgaatgcga	aatctgggaa	aaacttngct	tganttgagt	tggaaaaanan	tgcaccata	360
ntcatggaen	angcgnata	nacngttnag	cgggccentt	ttgtcccaat	c	411

<223>        unsure at all n locations

<223> Clone ID: LIB35-040-Q1-E1-E11

<400> 17995

taactgttta cgcttgcccn gnncngtcc aaaaantcan gggtcnaccc acgcgtccgt 60  
acgtgctgcg aagacgacag aagggtagcg ctgcganaga cgacagaagg gtacggctgc 120  
gagaagacga cagaagggaa aacaaaaaat ggctaccga aaagctctga tcaacgttca 180  
ccggatcatt cgctccaccg ccgtgggttg ccggagctct atcattcctg ccgccgctaa 240  
ccggtcatat cctattatat tccggaatgg agttgatttg ggggcgagat tcttcctga 300  
gaacactgcg tctgccaga atttcgatat tgatctctct aacgaagaga ataatagaag 360  
aacgatcaac agattgttgt ataagagcaa tcaaagaggg tttttggaac ttgatcttgt 420  
tttggggaat tgggttgagg agaatgttaa ttccatggga cgaaaatggt nttaaattccc 480  
taattcatgt cctcaa 496

<210> 17996

<211> 159

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-040-Q1-E1-E2

<400> 17996

cgacagaagg gcacggctgc gagaagacga cagaagggtta cggctgcgan aagacgacag 60  
aagggcacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt 120  
gttaaaaaan aaaanaana aanaaaaaan aaagcggcc 159

<210> 17997

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-040-Q1-E1-E10

<400> 17997

gtccacgcan gcctctatac tgnctcgan nagacagaag ggggaaatcg aacgatttat 60  
aaaatcgctg tctggcttgc gacgatctgc tgacgaagac catggcgccg attttcagan 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn ngaggatagt tacacgatca cgggtagagt gagggttcca gcaagcaccg 240  
 tgattggtca tgcagctaaa ttctcaaata tcaaagttat actcaacggg ggacagcatg 300  
 ttactttcct caggccggat ggatacttta ccttcacaa agtgccagcg gggacncatc 360  
 tgattgaant ttatgcaegg ggctacttct tctccccatt gcaaatttga ngttantgcn 420  
 ccggcatcnt ggcaagggtc aagcaacact tac 453

<210> 17998  
 <211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-040-Q1-E1-E3  
 <400> 17998

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggagctgcag gagaaatata 60  
 cgggtggtaaa aggcgggttaa aggccttaac agatgttttt ccaaagtgtg tgaggaaaga 120  
 aactctactc gattcttctg atttgagttt ttgtaaaaac cattcttctc aaatggctgc 180  
 tcttgattac cttatctctc ttgaaagtga tatattcgtt cctacttatt acggaaacat 240  
 ggcgaaagtc gtggaaggtc atcgcagggtt cttgggggtc aagaagacaa ttgagctaaa 300  
 ccggaagctg ttggttaagc tgatagatga atattatgaa ggattgttga gctgggaagt 360  
 gttttcaacc acggttaagg cctttcacgc tacacgaatg ggaaggccaa agaga 415

<210> 17999  
 <211> 401  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-040-Q1-E1-E4  
 <400> 17999

cttttgtata tgtagataat agtagaacga aaaaaaactc tttgtagaga gattctgctt 60  
 ctatatggct ttctcttacg catcattctc tatacccttc aatgggtttcg ctgcaaatcc 120  
 gtctccgatt acttccgctt ttctcggccc atcattgaga ttctccacca gaacatcaaa 180  
 aactcggaat ccgagtaatg gggtttcagt gaaatcgta aatagtcata ggtttctagt 240

caaatctaaa aatttcagtg tctatgcaag ggctgcagca gagaagtctg ttcacgattt 300  
 cactgtaaag gacatcgatg gtaatgatgt ttctctggac aaattcaaag gaaaaccttt 360  
 gttgatcggt aacgttgctg caagatgtgg ttgacatca t 401

<210> 18000  
 <211> 382  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-040-Q1-E1-E5  
 <400> 18000

cacacaaaaa anaaagtcac gtgtaaagt attatatgtt ctctgttttc ttgtgaccaa 60  
 agaggcagat ttggaacctt tggatttttt ttcggatctt gatcaaaata aanattcggt 120  
 ttggttttga agcttctaca agtgtttgat tagacaagaa ggtgaaaatg tcgggttata 180  
 cgcacccgat ggagagggag ctctccgggtc tatccanccg aggcaattcc gaattgggga 240  
 gtccgtattc gatanaatct ggatgttaca tgacatcttt agcancttcc atcttcatag 300  
 cttctctagt aacatttga gttntgatga taacacttcc tantgcttan cnnccatgtt 360  
 acaaagctgt gagaaccgga at 382

<210> 18001  
 <211> 396  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-040-Q1-E1-E7  
 <400> 18001

gtatcgatta gagggcaaat tcgctatcga taatctctct aaaaccgcta agaacgaatg 60  
 tgttattagt cgtgtttttc atacacggac tgatggtacg aaggagcata tgtccgttgg 120  
 ttacctccg ctgatggatt cttctccata tctaaagagt aggggacaag actctttagc 180  
 cgggaccacc cttggtgggt tgttgtctca cgttacctac ttctccgacc aaacaaccga 240  
 tgacaagagt cttgtggccg attttaaaac taccatgttt ggttccggat cgactaactt 300  
 ttaccaaac ataggttctc tactagactt cgatcctctg tttctacaan acaattcctc 360



agtactgaag atgttgcttg acaatgaaga aaccca

396

<210> 18002

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-040-Q1-E1-F11

<400> 18002

acnacagaag ggctggttgg atcatcacta cctactaaat ttaatccagc tattgtacaa 60  
aaggttgtag atgagctttc tcctagtaat tttcgaattt tttgggaatc acagaaattt 120  
gaaggacaaa ctgacaaggc tgagccatga gcatatgcaa gagatttttg ggttgctgtt 180  
caactacatt cagctattac aacagactgg tgtttgccag tggatttttg atgagctctc 240  
agctatttgt gagacgaaat ttcattatca agacaaaata ccaccaatgt cctatatagt 300  
ggatattgca tcaaacatgc agatatatcc gaccaaggat tggctggttg gatnatcact 360  
acctactaaa tttaatccca gctattgtac aaaangttgt 400

<210> 18003

<211> 442

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-040-Q1-E1-F5

<400> 18003

ancctctaaa catgacgtcn tactaacgcg tccgcccacg cgtccgcgga cgcgtccgcc 60  
cacgcgtccg tacggctgcg agaagacgac agaagggggg ggtcgcagtg accaggcccc 120  
ggcgactgtt taccaaaaac acaggtctcc gcaaagtcgt aagaccatgt atgggggctg 180  
acgcctgccc agtgccgga ggtaaggaa gttggtgacc tgatgacagg ggagccggcg 240  
accgaagccc cgggtgaacgg cggccgtaac gataacggtc ctaaggtagc gaaattcctt 300  
gtcgggtaag ttccgaccgg cacgaaaggc gtaacgatct gggcactgtc tcggagagag 360  
gctcggtgaa atagacatgt ctgtgaagat gcagtgtcaa taaaagang agagaancat 420  
tgatagatga tggtatcnga tg 442

<210> 18004  
 <211> 288  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-040-Q1-E1-F9

<400> 18004

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gtccacncac gcgctccgcc acgcgtccgt anggctgcga gaagacgaca gaaggggtacg 60
gctgcgagaa gacgacagaa gggatttcca nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncgttagtc nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcggcc 288
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<210> 18005  
 <211> 435  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-040-Q1-E1-G1

<400> 18005

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gcgtccgang gctgcnanaa gacgacagaa gggggagaac aattacttcc aacggagaat 60
ggcctcaatt gtcggaattc gaacaagatt cctgagtttc gggaagcttt cacaaatctc 120
ttcttactg ttgagaatac acaatcctcg taatcatcag aatcctctta ttctcctct 180
tccttgtttc tctgccgctc ctagtcgtca tcgtcctctg atttggtctc gctcatctcc 240
gcctgtgtcc tcgatgacca ctcaggctga atctgggtct tcccagcaat cggattcttc 300
caaaacggtg agagtgggtga taaaggaag agtacaagga gtgtgctaca gaaactggac 360
tggtgagaac gctgagcagc tggggataaa gggatgggtt aggaaccgca nggatggttc 420
attgaancat ccttt 435
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<210> 18006  
 <211> 492  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-040-Q1-E1-G3

<400> 18006

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tgcgatgaag acgacagaag gggaagaaaa aaaacaaaa aaaaagagag aggtgaaatt 120  
gattttctgc tcgcatcgt catttcaatt tctaattagc tttcctgggtg tttcttctcc 180  
ggcgtaatca tgacaacctc aaaaagacta gcagacagga agattgagaa attcgacaaa 240  
aacattttta agagaggatt tgttcttgag accaccacca agaagggcaa ggattatccc 300  
gttgggtcca tcttcttgg cttctttgtc tttgttgtca ttggatcatc tctctttcag 360  
atnattagga ctgcaactag cggaggcatg gcataaacca aaacacagtc aagctagaag 420  
aagcagtttc aaaatgtaga atcctctctg tctccttctt tttccccct tatactggta 480  
naatgtgtca ac 492

<210> 18007  
<211> 415  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-040-Q1-E1-G7

<400> 18007

ttgttttcgg gggcatttcc tgctacaacg gcaatccgcc aagtatcatg tgggacagct 60  
catgttgttg cttatcaga ggaaggcctt cttcaagctt ggggctataa tgaacaaggc 120  
caacttggtg gaggagtcac ttgtgaagga ctacaagcac ctcgtgtgat aaatgcttat 180  
gcgaagtcc ttgatgaagc acccgagctt gtgaagatta tgcaactttc atgtggagaa 240  
taccatactg ctgctctttc tgatgcaggc gaggtttaca cttggggatt aggaagcatg 300  
ggccaacttg ggcattgtac tcttcaatcc ggggataagg agttaatacc aagganaatc 360  
nttgggtccn atgggtgtgt catgaaanaa nttncctggg ggtggtgtac aact 415

<210> 18008  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-040-Q1-E1-G8

<400> 18008

agaagacgac agaaggggga aacgaaacga actatggatt tgaagaaagc atctttgttt 60  
ttattccttc ttctctgtct ccacctgcaa ctgcaacacc actttgctca cgcgggtctcg 120  
cgatcttcaa caagtttagc cttcgttgat ccaaaccatg atgatctccc gtttcaagaa 180  
gtagaattga agccagacgg tgacgtaatc gaagccaatt taccgaaatt aacagtcggt 240  
gttaagaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnngag ttctagcaga ggcgggtggag gaagttctag cagaggcgga 360  
ngaaggagtt ctagcanagg aagaagatta cntccgattc cgaattatgg cngt 414

<210> 18009  
<211> 458  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-040-Q1-E1-G9

<400> 18009

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aagaagaaat agaaatgaga gctctcttgt gctcacaccg ttactacca ttatcatctc 120  
tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc ttctagaacc 240  
tctgaaaaac ccggccggcc agaccgggac ccggaagacg atcccccgat accccaagaa 300  
antgttcgag aaggataatg gggaaggatt gtggtttctg tggaaaaaca actgggcttg 360  
gaattggcnt tttgaantta cncaannttt tgaaggatan aaacttctag gacttgcctt 420  
tgtgggttcc aaaacttgac canactcgtg acctttgg 458

<210> 18010  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-040-Q1-E1-H2

<400> 18010

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acagaagggt acggctgcga gaagacgaca gaagggtacn gctgcgagaa gacgacagaa 120  
nggggacata aaaatggcga cttcgatgat tcacagattg ttcaaacaag gcacaaagat 180  
cgtcggcggt ggactcaatt acgcttctca cgccaaagaa cttggcaatg ccctcccaaa 240  
ggacccgatt gtgttcttaa agccaacttc gtcgtacctg naaaacggtg gaacaataga 300  
gatcccatat cactggatt cacttcacca tgatgtgna cttgctntac taattgggca 360  
caanngcang agatgtccca naancnttag ccctnaanta cattgggccg ntatgccc 418

<210> 18011

<211> 349

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-039-Q1-E1-H11

<400> 18011

aaggcaaatt tctcaaagga agcgaagccc tagcgtctc tctctgtctt ctggtttctg 60  
cgccgattcg tagtctgttg tgcgcttgcc tctctcttt tggattagca tacctctcac 120  
tcgcatcagg taagaagttt gttcagatt tagtgaatct cattgcttta gtttcaaagc 180  
ttattaactc tctgtgtttt tgcgttggtt antacgttg aataactaac ccttataaca 240  
actactggaa ttttgccgaa acatagtttag tcnctatgct ttgtttggga ttgaattgat 300  
tatgatggaa tgcaacataa gttatcgctg tgccttggtt ggatggaat 349

<210> 18012

<211> 400

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-039-Q1-E1-H5

<400> 18012

ccctgaaacc tctcttcaga aaactcaggc accatcttct ccttccgccg ccgcatgga 60  
atcacttccc cagccgcaaa accaatcatc tccggcaaca actccggcga agatcctct 120

tgggaaatac gaactcggtc gtcgtctcgg tagcggaagc ttcgcgaaag tccatttagc 180  
 tcgatcaatc gaatccgacg agctcgtcgc cgtaaatac atcgagaaga agaaaacaat 240  
 cnaatccggt atggaaccaa gaataatcag ngagatcgat gcgatgcgtc tcttcgtcat 300  
 catccanaca tactcaanga tccatgaagt tatgngcaan ccanatctaa gatttatctc 360  
 cgtaatggna actcgccntc cggtggtgaa cttttctcan 400

<210> 18013  
 <211> 362  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-039-Q1-E1-H7

<400> 18013

attaaattcg atttttgaga caaagctcga caagtcgctg gcggcggtgt aaaaatagtc 60  
 ggagctatgg cgatgcaggc cggagttggc ttatccagga tctttctctt agccggagca 120  
 ggttacactg gtacgatcat gatgaagaat ggaaaattgt cggatttgtt gggatgaattg 180  
 cagagtttgg tgaagggaat ggagaaatct ggagaagggt ctgagggaga ttctgatgtt 240  
 tctgatgcta tagctgcaca ngttcgccg ttggctatgg agattcgaca gctagcttcg 300  
 cagcaacaca taacgggtcat gaatggantt ccngggcaaa cctaaaaacc cttgctgttc 360  
 ct 362

<210> 18014  
 <211> 345  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-039-Q1-E1-H10

<400> 18014

ttttgcaaga actatttccg gaacctggaa ggcttcaatt tatttatgct gatcttggag 60  
 atgccaaaag tgtcaacaag atattcacag agaatgcctt tgacgctgtg atgcatttcg 120  
 ctgctgttgc atatgttggg gaaagcacac aattccctct taagtattat cacaatatta 180  
 catcgaacac tttggtagta ttagagacaa tggctgctca tggagtaaag actttgatat 240

attcaagcac ttgtgcaacg tatggggagc ctgatattat gccattaca gaggaactc 300  
ctcangtgcc aatcaacca tatggtaagg ccaagaagat ggcag 345

<210> 18015  
<211> 258  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-040-Q1-E1-A1

<400> 18015  
  
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aagggtacgg ctgcgcgaag acnacagaag ggtacggctg cgagaagacg acagaaggga 120  
tggcatgagc tttttgttat ttgtttctaa tatttgact actatgtgtt gtgtgtatat 180  
gattcataat taatactata tttatggatt gatttctttc tataaaaaaa canncncan 240  
tncaaaaaaa aagcggcc 258

<210> 18016  
<211> 473  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-040-Q1-E1-A11

<400> 18016  
  
gngctcgtcc aaaactcaag ggtccacnca cgctccntn ggctgncata anacgacaga 60  
agggggaact taaacagata tttcataagg aaaatgaagg gtgagttttt cacattgatg 120  
gcaataatgt ctctcctctt agccttctcg ttagtccatg gaggaggaga gtctggaaca 180  
ccttctaattg cagccgctac cccgactagc ccaaccgaag gatccagtgg ttcaagtgg 240  
tcagctcatg gacctaattg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnnn nnnngtcagg ttcaggaact ggatttgggt ctggctcggg angaagaaga 420  
accacagacg gtggttctgg ccatggaaat tggaccggac acnctgggta aag 473

<210> 18017  
 <211> 412  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-040-Q1-E1-A7

<400> 18017

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 ctcttctctt ctccctccca accaaaacttg tcaagccaac aagcctcact cattcacagc 180  
 ctccgagatt gtccgcatcc tatgggtccag ctgcaaaagc tgctactgcc aacgacgttg 240  
 ttccagaaac agtccgaca tcagcgtcgg aggtcgtctc cagcttctac gccgccgtta 300  
 acgtccatga tttatcctct gtcacagacc tcctcgtca ggactgcgtc tacgaggatt 360  
 tcgtctctc atctccctt gttgggccga aangcaattc ctgattcttc gg 412

<210> 18018  
 <211> 400  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-040-Q1-E1-A9

<400> 18018

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 agaccaaact catagagatg ggtttcttct cttttcttgg aagagttctc tttctc 120  
 tctttatcct ctccgcttgg caaatgttca atgatggtgg tctgcagct aaagacttgg 180  
 ctccaaagct tgatttggtt aaggcacatt tatcttctag attaggagta acattgcc a 240  
 aaatagaggt gagacaagtc gttgtacta ttattgccct gaaaggagt tcttac 300  
 tctttgttat cggaacacc ttcggtgctt atcttccggc ttctacttg gtggttttcg 360  
 gtctaatct ctaagaattc tacaactacg ggctcaaga 400

<210> 18019  
 <211> 461  
 <212> DNA  
 <213> Arabidopsis thaliana



<223> unsure at all n locations  
<223> Clone ID: LIB35-040-Q1-E1-B9

<400> 18019

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agtagaacia gcaacacaaac gcagctaaga aacctcctta aagaacaaag aaaaaacttg 120  
gtgaaatcga ttctcttcaa agatcgtctt cctaactact ttcaacaact cgatcaatcc 180  
ttactgagac gatgccgaag aacaaaggaa agggaggaaa gaacaggaag agaggaaaga 240  
acgaagctga tgacgaaaag cgagagctta tattcaaaga agatggacaa gaatacgcac 300  
aagttcttcg tatgctcggg aacggttgat gcgacgttat gtgcattgac ggtgttaagc 360  
gtctttgcc aatccgtggg aagatgcata agaaggtttg gattgctgct ggtgacatca 420  
tacttggttg tcnaagagat taccaagatg ataaagctga t 461

<210> 18020

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-040-Q1-E1-C6

<400> 18020

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aaaagggggc gaagttcgac ggcgaagaat cacctccacc tgattttgat gaagatcgaa 120  
gtgtgggtga ggtagacgga ggagatcaca cgccattcgc tggaggtaaa gtcagaagga 180  
aagcgtctcg ctatagagag catcgtgggtg actatcttca cgtttcttct cgtcctggat 240  
tgatgcgaat tctggagaaa caagggtgata catcgattct ttttgctgat aaagttttga 300  
agttcaccgg ctcggggaag atgaaacggc gtatttttat cctcactgat ttgcgatct 360  
atctaattga tcccagagact gaagctatga ccaggagaat tgctttgtca tcagtanaga 420

<210> 18021

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-040-Q1-E1-C8

<400> 18021

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ccatagaaga ttccagatac gcaattgtgc tggaaccaa cancaaacga gcgtctctct 120

cagcagagag actgagaaaa ttccagtga cttcttttgt ccgtacctca ccgatcattg 180

agaaaacgtt tgttccttag aatttgtcca agagtatagg ccaattttgt caacacttgt 240

cttttgcgtc tgatatttag gcattttatc tagagatacc ttttgcaagt ccgccgagaa 300

tgggaanatt ataatatccg atgtttatct taaacgttct ctaaaattgg atatcaaana 360

gtaatgttaa tcttaaacac cgggataccg gcnttcccgg tcgaaaaaaa aa 412

<210> 18022

<211> 138

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-040-Q1-E1-C9

<400> 18022

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aaggatacgg ctgcgagaag acgacagaag ggaggattnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnngcggc 138

<210> 18023

<211> 396

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-040-Q1-E1-D1

<400> 18023

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tttaaagctc gatgtcgtcg gaagagctgc tgattccacg agctcttctc catcagtagc 180

ttccggtgat agaaccttaa ttccctgatga tgaattcact ttagccaaga tttcatttgg 240

tgttattggg ctaggtctcg gggtttcgct actctcgtat ggttttgggg cctattttac 300

tatccttcct ggaactgagt ggtctgctat aatgctaaca tatggatttc ccctttctat 360  
tatcggaatg gctcttaagt acgcagaact caaanc 396

<210> 18024  
<211> 413  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-040-Q1-E1-D2

<400> 18024  
  
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gaagacgaca gaagggagaa gtgaacaaga tcattggaag ccgaacggcg ggggaaggag 180  
ccatggagta ccttatcgag tggaaggacg gccattctcc gtcgtgggtt ccatcgagct 240  
acatcganc agacgtggtg tcggagtacg agacaccctg gtggacggca gctagaaaag 300  
ccgacgagca ngccctgtca cagctcctgg aggaccgaga ctcgatgccg tggacgaaaa 360  
cggccggacg gctctgcttt cgtggcaagt ctgggggtccg acaanttcct aag 413

<210> 18025  
<211> 420  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-040-Q1-E1-D4  
  
<400> 18025

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attccgataa acaacctccc gaaaagcgag tacggtttcc aaaggggaag aagtcgaaac 120  
ctgaacagct cttagaggaa gaagcttttag cccgccgcaa agcccgtgat gctgctaagg 180  
agcgtgcaaa gattcgcaat cagaatacta ctaagctctt tatcgaagat gacagtgatg 240  
atattaatca ggctcaggag acttatgagg atgatggcaa tcgcacagaa gatgggatcc 300  
agattgaagc ttttagtctg gacagagaga aagaagaagt tactttgatg ctgatgggaa 360  
ctttgtagaa tatgtagag aaaaggaagt caaggatgca tggcttgaca gtattgaaaa 420

<210> 18026  
 <211> 365  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-040-Q1-E1-D5  
  
 <400> 18026

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 acggctgcca gaagacgaca gaagggtagc gctgcgagaa gacgacagaa ggggctagtt 180  
 ttttgccttc tcgaagttcc gtgcgactct ctgctcgagc aagatctcct accgatacaa 240  
 tgattatctc anaggctaac cgcaaagaaa tctgcaagta cctcttcaaa agaaggagtt 300  
 tgctttgcca agaaggattt caatcttgct angcatcccg ttgatcgatg tccccaacct 360  
 ncaag 365

<210> 18027  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-040-Q1-E1-D7  
  
 <400> 18027

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 ccaaaatgtc atcctgatgc gtcattgtga tcgactcgac aatttcgagc cactctggac 120  
 ttcaacagct gcgagaccgt gggatccatc gcttgctcaa gacggtaagg atcgggcctt 180  
 tagaactggc cagagaatcc ggtctcaact tgggggttccg attcaccgtg tcttcgtctc 240  
 ccctttcctc cgtgcacatc agaccgcttc cgaagtcgtt gccgccctct cagccgtcga 300  
 tttcgatccc attgctatgt catctaaaga cgtgctttcc atcgacaata ctaagatcaa 360  
 ggtggctatt gaatttggat tgtccgagat accgcaccca atctttatta acaattgaag 420  
 ttgct 425

<210> 18028

<211> 180  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-040-Q1-E1-D9

<400> 18028

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gacagaaggg gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcggcc 180

<210> 18029  
<211> 482  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-039-Q1-E1-A7

<400> 18029

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ccgtanggct gcgagangac ganagaaggg gacaggagtc gagagagaan ttagccatgg 120  
cgaccagagc tttgctcgcc gttatatatg cgtctccgaa tcgctgctac atctctccga 180  
gcaggatcaa aatccaatct ttaacttggt cttcttcaag tcattattac caaagacaga 240  
gtagaaaaaa ccacagaata gctcgaagtt actcgtctga ctcgattcc tccgttcttc 300  
agccgccgga tgtggcccggt cttgctcaga cagctcgaat ctctctaact ccggcggaga 360  
tagaggaatg tnaaactaaa attcgtcgag tcatcgactg gtttgggcag cttcaacaag 420  
ttgatgttaa cagtgtggag ccagctatta gagcagaaat ggatggtgga aatttgcgaa 480  
na 482

<210> 18030  
<211> 384  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-039-Q1-E1-B4

<400> 18030

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 cacagttttg gagggtttga agtatncana ttcacatgag tgggttaaag atgaaggctc 180  
 tgttgccacc attggnatca ctgcccattgc tcangaccat ttaggtgaag tngtntttgt 240  
 tgaactgcca gaggacaaga cttcagtgtt caaacgacaa nagctttgga gcantggaca 300  
 gtgcnatggc aacaanttag atcttatcac caatctcagg tgaaaatcat tgangttaac 360  
 aatgaanctc acacaatcac ctgt 384

<210> 18031  
 <211> 386  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 18031

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 gattaccgtc gctcacaaga gctcgtccct ccttcannat tgctgccagt ggcgtcaaga 180  
 agatcaagac cgacaagccc ttcggaatta acggnagcat ggacttgang gacngcntct 240  
 acnctccgg cagaaagggc aagggatacc gtgtttacaa gtacgtcgac aagtatggat 300  
 ctaacgtcga tggatacagt cctatttnca acgagaacga atggtcagcc antggtgacg 360  
 tntacaaggg aagaatcacc ggnttg 386

<210> 18032  
 <211> 334  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-039-Q1-E1-A6  
 <400> 18032

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 aagaccatgt atgggggctg acgcctgccc agtgccggaa ggttaaggaa gttggtgacc 120

tgatgacagg ggagccggcg accgaagccc cggatgaacgg cggccgtaac aataacggtc 180  
 ctaaggtagc gaaattcctt gtcgggtaag ttccgacccg cacgaaaggc gtaacgatct 240  
 gggcactgtc tcggaganaa gctcggtgaa atagacatgt ctgtnaagat gcggactacc 300  
 tgcacctgga cagaaagacc ctatgaagcn tcac 334

<210> 18033  
 <211> 444  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-039-Q1-E1-B9  
 <400> 18033

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 atttcagcat ctcccatgga ggaatcaaga ttcgattctg aagatgttga ttatgctgag 120  
 attgttgttg ttcgtcatgg tgaaacatct tgggatgccg anagaaaaat ccagggtcat 180  
 ttggatgttg agttaaatga tgcaggaaga cagcaagcac angagagttg canagcggtt 240  
 atcgaangag canaagatat ctcatgtata ctcttctgac ttgaanagag cctttgagac 300  
 tgctcagatc attgctgcta aatgcngcan gcttgacgtg cttaccgatc tgatttgagg 360  
 gaaanacatt tagggagatt gcaaaggact tgtgtatcaa gaagcttcaa aaattcgncc 420  
 ggaaccttac aangcttttc atct 444

<210> 18034  
 <211> 458  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-039-Q1-E1-C11  
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 aaaaacacct ccgatctcgg cgagagaaag agaaacgatc tgtgagagag aatggatcag 120  
 atcttgaaca aggtaggctc gtactgggta ggtaagaagg tgaacaagca gctcgattcc 180  
 gtcggtgacg atatcaactc tttgtcttcg agcatcgaag gaggaacaaa atgggttggtg 240

aacaaaatca aaggaaaaat gcagaagcca ttgcccagagt tactaaagga gtttggtttg 300  
 cctgtgggga tctttccacg tgatgcaacc aactacgagt tcaatgaaca gacgaggaag 360  
 ttaactgtct ttattccatc aatctgcgaa gttggttaca aagatacatc agtcttgaga 420  
 ttcaccacta cagttaccgg atttctcgag aagggaaa 458

<210> 18035  
 <211> 408  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-039-Q1-E1-C12  
 <400> 18035

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 gattccgtcg gtgacgatat caactctttg tcttcgagca tcgaaggagg aacaaaatgg 180  
 ttggtgaaca aaatcaaagg aaaaatgcag aagccattgc ccgagttact aaaggagttt 240  
 ggtttgcccg tggggatctt tccacgtgat gcaaccaact acgagttcaa tgaacagacg 300  
 aggaagttaa ctgtctttat tccatcaatc tgcgaagttg gttacaaaga tacatcagtc 360  
 ttgagattca ccactacagt taccggattt ctcgagaagg gaaagcta 408

<210> 18036  
 <211> 443  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-039-Q1-E1-C4  
 <400> 18036

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 cttcctccga gccactgaa gctaccgggtt atcggaacc tataccagct tcgaggattg 180  
 tttcacaaat gtcttcacga tctctccaag aaacacggac ccgtgttgct tctccgtcta 240  
 ggttttctct atatgtttgt gatctcatcg accgaagcaa gctgacgaag ctcttaaagt 300



acatgacctt gagtgttggt ccagacctat aactaancgt cncancanaa ctctggcggtg 360  
 acggtcaaga tatcggccta nccccatatg gtgagtcctt tgagagagtt tgccgggaag 420  
 cnttcctttt ctcaangttt ttc 443

<210> 18037  
 <211> 374  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-039-Q1-E1-C6  
 <400> 18037

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 ggctttcttct ttccacagcg gagccaagca gagcagcttc ggcgctgtca gagtcggcca 180  
 gaaaactcag ttcgctgctg tttctcaacg caagaagtcg ttgatctacg ccgctaaagg 240  
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<210> 18038  
 <211> 411  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 gctatgtata ttcggtgtgaa gcgcatgaaa actacttact ttatccaatg tgatccaaca 180  
 gagactgttt tggntgttaa gcaaaaactg tttgctctca ttgagcaacc agttaacaat 240  
 cagcgtctgg tcttaatgtc taccgnanaa gtattagagg attcganac cttagcagat 300  
 canaaggttg agaatgatgc agttgtggct ttgactttga agaaagatga taacgagttt 360

gangatgtca acattgcaca agcccaacga cttctcactt tcaatgaaga g

411

<210> 18039  
<211> 460  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<400> 18039

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aacaaaactt gtgagttggt tctacnctga tgagttgcc aagcctccat cgggttgcaa 180  
gtggaacaac atggacactg aggcaaagct ggatgagctt caagcttatg tggagatata 240  
ctcgctttct gaatgggtga ttatggaaga acttcaaaac gattgcgctc atgtgattct 300  
ctcttgcttg gaatccgcta gagagttatc tatcanaaca atcgaattag ctgcgagttt 360  
ctcgatgtgg gaaactgggt gaagctgctg cctaatactg cagctcccat ttatcatcag 420  
cttcgttgac tcanggtgag ctcgatgang ctagacgacg 460

<210> 18040  
<211> 421  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-039-Q1-E1-E4  
  
<400> 18040

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aaaaaagcca atcaggaagc tgagtaaact ctaagctcac acaaaaatgg cgtctcttct 120  
tggaacatct tcttctgcaa tctgggcttc tcttctactc tcttctctt cctcanaacc 180  
ttctctctcc cccatttgct tcaggccagg aaaattgttt ggaagcaagt taaatgcang 240  
aatccaaata aggccaaaga ngaacaggtc tcgttaccat gtttcggtta tgaatgtagc 300  
cactganatc aactctactg ancacgtact anggaagttt gantcacaga ngantngcga 360  
agaccggtn ancnttttgc nntatagta nggcnngatg agatgaaatt atgtcntttg 420

<210> 18041  
<211> 487  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-039-Q1-E1-E9

<400> 18041

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taaaacagta ctaattatgg aattgatcaa caacattgct aaagctcatg gtgggtgtatc 180  
cgtattttggt ggagtaggcg aacggactcg tgaaggaaat gatctttaca tggaaatgaa 240  
agaatctgga gtcattaatg aacaaaatct tgcggaatcc aaagtggccc tagtttatgg 300  
tcagatgaat gaaccgccag gagctcgat gagagttggt ctgactgcct taactatggc 360  
agaatatttc cgagatgtta atgagcaaga cgtacttcta tttatcgaca atatcttccg 420  
tttcgtacaa gcaggatncg aggtatccgc cttattgggt aaaatgcctt ctgctgtggg 480  
ttatcaa 487

<210> 18042  
<211> 490  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
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anacggggtt gangaanaaa gagataagct ttcacatcaa tttttgaagg cgcnaaatgg 180  
ggaatacttc atcgatgctg actcagtacg acatcgaaga agttcagagt cattgtcatg 240  
atctatttga gcagcaggag attttatctc tgtatcaacg gttttgccag ttagatcgaa 300  
acgcaaaagg ntttatatct gctgatgagt ttctctctgt gcctgagttt gcgatgaatc 360

cactctctca gaggtgctt aagatggttg atggtttgaa ctttaaggat tttgttgctt 420  
tcttgtctgc gtttagtgcc aatgctagtc taagacnaga aagttcaatt tgatcttaaa 480  
gtcnatgatt 490

<210> 18043  
<211> 75  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-039-Q1-E1-G11

<400> 18043  
actnagtcac aatacgacag aagggttcac cgcacctttt taaaatatat aaaaatacga 60  
atgtgtgttg attga 75

<210> 18044  
<211> 475  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-039-Q1-E1-G6

<400> 18044  
aacttttnaa ccgccccgta ccngtccaaa aattcccggg tcnaccacag cgtccgncca 60  
cgcgtccgta cggctgcgag aaacgacaga aggggaggag agacaaagaa ggatgagtat 120  
gttgtcaggg aaagctgctt acgatctctt tgtctatggc agtctccagg aaccggaagt 180  
cgtatacgtg cttcttaatc gcgtccctga ccatgtctcc gccgtactct ccggctttca 240  
caggtttaga ctcaaaggcc gtgtctatcc aacaattcta ccggacggta ccggaaaagt 300  
caacggaaag gtgctaaagg gcataacaga tgatgaactg aagatgtag atgagtttga 360  
agatgttgaa tatgacagaa agactgttga agtaatgctg acggatactt cagagaagct 420  
gcaagtcgaa acatatgtnt ggaagaacaa agatgattcg gatcnttatg gagaa 475

<210> 18045  
<211> 448  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-C9

<400> 18045

gcgtccgtac ggctgcgaga agacgacaga aggggaacaa cgaaatggac gattttctcaa 60  
tccctatgaa atctaacggt aacttagatg ttccaccacc agcaccagct aacttcatcc 120  
gtcctggaaa acgacctttg tctctatgt caccacccat tgtactcaag gacggtaaag 180  
tgaaagccgc tgtgggtgcg agcggaggag ccaacattat tgccgggaca acggaagttt 240  
acttgaatca ttttttctc aagatggatc ctctttcttc cgtcttagct ccaagaatct 300  
accatcagct gataccaaac agagcttcgt acgagaactg gacaacagta ttcaatgatc 360  
atttcgagat tcttaaagca acaagagttg tgttgagaa gaaaggatc gtcctatctc 420  
ctattgccgg agggacnatg ctcaattc 448

<210> 18046

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-036-Q1-E2-C5

<400> 18046

aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggtgccgaaa agagagagag 60  
aaaacaaatc aagnaatggc taccggaaaa gctctgatca acgttcaccg gatcattcgc 120  
tccaccgccg tggttgccg gagctctatc attcctgccg ccgctaaccg gtcataatct 180  
attatattcc ggaatggant tgatttgggg gcganattct tctgtgagaa cactgcgtct 240  
gcncaaaatt tcgatattga tctctctaac gaanagaata agagaagaac gatcaacaga 300  
ttgttgata ggatcaagca aananggttt ttgggaacnt gatcatgttt tgnngaattg 360  
ggttgacgag aatgtnaatt ccatggacga naatgggtgt taatcctaan tcatg 415

<210> 18047

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-036-Q1-E2-D11

<400> 18047

agaaggggac ggctganaga aagtaaagag aaaaacccta atcttcatct tcatcttctc 60

ccgccgtcgg ccgtaagagg ttctgaagaa gcaaagttag caacantggc gggaggcaag 120

atcaggaagg agaagcccaa ggcttcgant agagcaccat cgaaccatta ncangganga 180

atatcgttcc acaantcgaa agggcagcat anccttaana accctctgct tgtggattcg 240

atcgttcaga aagctggtat caanagtacc gatgtgattc tcgagatcgg tcccgggtact 300

ggaaacttga ccaagaagct tctagaagct ggcanagaan ttatcgccgt cgaacttgac 360

tctcgtatgg ttctcgagct tcagcgccgt tttcaaggga actcccttct ctaaccgctt 420

gaagg 425

<210> 18048

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-036-Q1-E2-D5

<400> 18048

aagacgacag aaggggaaca tcaaaaacta acacagaaag aaaaaaaaca gttcctgttc 60

tattagattg ttttctaaat tgtctgaaaa tcatggnagt aacttcccaa tctaccctcc 120

ctccaggggt cagatttcat cctaccgacg aagaactcat cgtttactat cttcgaaacc 180

agaccatgtc taaaccatgc cctgtctcca tcatcccaga agttgatatc ctacaaattc 240

gacccatggg caattaccg agaaaacaga gtttgggaga aattgattgg nattccttna 300

gccnaantg aaaggaaatt tnccaatngg gnttcagncc aanccggggn agttgtttcc 360

ggttattgga aaccaaccg gtacagacaa anccattc 398

<210> 18049

<211> 210

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-036-Q1-E2-D8

<400> 18049

acgcgcctg tagcggcgca ttaagcgcgg cgggtgtggt gggttacgcg caagcgttga 60  
 ncggctaaca acttgccaac ggcctaacgg cccggetccc ttncgcttcc ttcccttcc 120  
 tcctccgcca acgtttcgcc gggcttttcc ccgtaaagc tccaaaatcc ggggggctcc 180  
 cctttaangg gttccgaatt tantggcttt 210

<210> 18050  
 <211> 404  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E2-E8

<400> 18050

ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc 60  
 gagaagacga cagaagggga gcggcggtga gattagagaa gaagggtttg tgaaatggag 120  
 tccagtgagg atgtggagaa tctgagtaga gctattgaga agcttcttca tgagaagagg 180  
 aagagagaag cttctggtga cgccttcatt gaagacgctg atgatcagct tttcctctct 240  
 agccttatct ctcagttgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttcttcac catccanagg aaaaagcnan 360  
 ggccatagac attggaaga aatntanaaa gaaattactt aata 404

<210> 18051  
 <211> 449  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E2-E9

<400> 18051

gcgtccgtac ggctgcgaga agacgacaga agggggaaga agaagatcaa aaccatgacg 60  
 agtcaccacg cgatcgaagt gacgaagacg gtgctggaag tagccgacgt agcatggacc 120  
 gcggtgga aa cttnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gtcaacgaat 180  
 ccaatttctg atccacgaga tcgtgaatta gaagctcttc gtcaagagaa tcgtcgtctc 240  
 aggactttgc ttgaatcgaa tcttaaactc tttgagactc tcgtgaatc tgctgcgttc 300

tctcatgatt gccctagcga cctctatgct aggcttgtaa ccatgggttac ttcaagagat 360  
 ttcttggtta gattagagaa tctaagacaa gctttatcta atggaactca gaatcaattt 420  
 cattcaagga accancagaa gatgatgtg 449

<210> 18052  
 <211> 380  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E2-F10  
 <400> 18052

tcggtcatta tgaccctaaa gccattgggg ttgacgcaa gaaggctttt ctattcanaa 60  
 acatgcattt ctacgcagag ccaagagccg ctaaggactt attaggggtgg gagagtaaaa 120  
 cgaatctgcc tgaagatctc aaggagagat tcgaagagta tgtgaagatt ggcagagaca 180  
 agaaagagat taagtttgag ttagacgata agatactcga agccctcaaa actccagtgg 240  
 ccgcttgatc aaatacgcca taaagtttgt tcttcatttg taacttctta tgctacactg 300  
 tgctctttca tttccacgg ctcataatgag atgaacatga tttcagctaa aagatcattt 360  
 aaatattcat aaacaacana 380

<210> 18053  
 <211> 462  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E2-F2  
 <400> 18053

agaaggggaac tttggtattg tgttcgcaa tatcttggtt ttgattcaaa aanaanaaaa 60  
 aggtaaagan ncnaaaaaan aaagcgccg ctctagagga tccaagctta cgtacgcgtg 120  
 catgcgacgt catagctctt ctatagtgtc acctanattc aattcactgg ccgtcgtttt 180  
 acaacgtcgt gactgggaaa accctggcgt tacccaactt aatcgccctg caancacatc 240  
 cccctttcgc cagctggcgt aatancnaat anggcccgca ccgattcgcc ttcccaaaca 300  
 agtttgcgca accctgaaat gggcgaaat gggaacgccc ccctggtaan cggggggcaa 360



ttaancnccg ggnggggtgt tgggtnggtt tacnccgcaa gccgttgaac cggcttnca 420  
acntttgccc aancggcccc taaacggccc cggatcccnt tt 462

<210> 18054  
<211> 406  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-F3  
  
<400> 18054

ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc 60  
gagaagacga cagaagggtg cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120  
acgacagaag ggggaagctt agagaatcat ttgttcagaa gaggttctta ttttcaacct 180  
ttatcttgga ctctccggtt gaaagttgct cttggtgcag cgaaagggtc tgcgtttctt 240  
cataacgccg agactagtgt catataccgc gatttcaaaa cgtcgaatat actgcttgat 300  
tcggagtaca atgctaantc ttctgatttc ggggctaact aaagacgtcc aacgggtgat 360  
aaaagccatg tctctaccgc gtnatgggta cttaccggtg cncact 406

<210> 18055  
<211> 398  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-F8  
  
<400> 18055

ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc 60  
gagaagacga cagaagggtg cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120  
acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 180  
gaagggggac nacaattcaa acttgtagcg actaagacca gactctctct gacgttgtca 240  
gatctgcgac ctgctagcga nangatgcga gaggaactg tggtttacga gcaggaggag 300  
tctgtttctc acggcggggg gcaagcacan gatccttgca gagcttgccc gcgttgaaca 360  
agaantcctt tccttgagga aagaatttaa ngaagtcc 398

<210> 18056  
 <211> 412  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E2-F9

<400> 18056

tcaactgtgaa ttaatcgaga gatctaaata tccgccatgg acagagcaca attgatcttg 60  
 ttaggtctac ctatattctt gttttgttcg gatctcttca acctcttcac tctccgect 120  
 cctaaacctc agcctcaccg tctcatcag ccaccgcata tctctacca gcacgtctct 180  
 aatgcatca tccccgaaac cctagacttt ccttcacaga agacaagtgg cttaggaggg 240  
 gcaattggat atggaaatac agtagagatc aacttctgcg tctcctgttc ttacaagggg 300  
 actgcagtca ccatgaagaa gatgtagag acggcttttc ccggtttaga tgtgattctc 360  
 gcaaattacc caccaccagc accaaaaacg ccttctagct aaggttgtgc cn 412

<210> 18057  
 <211> 394  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E2-G5

<400> 18057

agaaggggga gttcaaaaga aagtaagttg aagtcaatgc aagaagctct tgaccaaaagt 60  
 agaaccgaga tgaaggctaa gttttctgct gcttccatga agaggcagga ttcgatatca 120  
 agtaccgcc aacgtgcaga gaagttcaga tcttttaact ctcgacaag ttcgaaaaag 180  
 tatcagcatc ctataagctc attacagagt gaagaggaaa acgaaaaaga taggctagtc 240  
 agtggacaat ccattggaaa aggtgcttct aagagctccc aagttagaaa ggttccatcc 300  
 ccaaacgggg aagctcacga agtctcaaaa ccgtcaggtg aagtttcaaa cacaacact 360  
 aatacttctg ggagangacg aaaaacatca gaga 394

<210> 18058  
 <211> 445

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB35-036-Q1-E2-H12  
  
 <400> 18058  
  
 gcgtccgtac ggctgcgaga agacgacaga aggggaaggg cctcagaagg aacttgggca 60  
 acttgggtgtt tttgctgagc tgcaagcgct cttccctggt ctgcgcatTT atgtagattt 120  
 gattggacct gacgttccac aacatatgga tggagaaatg atctcccttt gcagatattc 180  
 cccttgcatt ggaaaagaat gtgaatgtaa aaattcaagc aaaatttctca attccgggag 240  
 caaacctgct ttggtttcgg ctgtgtcatt acagctccgt agaggggtttt accatgatcg 300  
 ttacaatgac ataacaaagg attcatttcc tccacacata gtgattgctc caaacgcaag 360  
 catcgctgca tatccaagct ggttgccaac tattgaactg ataagggaga tacaagtccc 420  
 aacagtattc tccgaatact gtgaa 445

<210> 18059  
 <211> 408  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E2-H3  
  
 <400> 18059  
  
 agcagaaatg gcgaaatcac tcctttgttc atcaacctta aaccctttct tctccaccac 60  
 tctctcctct tcgaagaaga accaaattgc atactcggga aacagcaaga accagacatc 120  
 gtcgtctctg ttatggaaaa gaagggaact gtcgcttgga tttatgagca gcttagttgc 180  
 gattggctctc gtgagtaatg acagaagaag acacgacgag aatgcagcga ttcttgaagc 240  
 tgatgacgat gaagagcttc tcgagaaagt gaagcaagat cagaaaaaga ggattgagag 300  
 acaagctgtt ctcaattctg ctgtcaagga aaagggtatt ttgcaggatc ttgtttacaa 360  
 gttgancaag gtaggacaag ccattgagaa catgatttaa caactggc 408

<210> 18060  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-H8

<400> 18060

aagacgacag anggggcgaa acaaaaactc gtggaggaga tatgcaattg ctgacgctaa 60  
atccggcggc catttcagg acgccgccgc aagccatana cccttcctca tctcgagtc 120  
ttcttctcc'ttttcctcag attttgagct cccaacgcgc tcttggtctt gtanctaggc 180  
cttgtaatcc acttcgacga ggattatcta ggtttttatc aagtcgacag cttttccgac 240  
gatccaaagt tgtcaaggca gtagcaaccc cagaccccat cttggaagta cctttaactg 300  
aggaaaatgt anaaagcgtt ttggatgaaa tccgacctta ccttaagtct gatggtggta 360  
atgtggcatt acatgagatn gaagggaaat attgtgccgg ttaagccgca cgg 413

<210> 18061  
<211> 420  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E1-H4

<400> 18061

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ttggcgaaagt catctcttgc tttcaattgt aaaagtgtaa cattccggaa actatttcct 120  
gagtatgtcg agaagtacag ccagcaacaa gtagctgaag aagaagcagc cactcaacag 180  
acaacaacat ctgagaatca ggattttcct cagaaggaca atgcgaaagt cgaatcagag 240  
aaaagcgttg gtcttaaaaa ggaaagtatt caagaagtgg gattgaaaga gaggagaagg 300  
aacaagaaag aagcattacc gggttggata atattgttgc tagtatcgat tgtccgtgtt 360  
gtaatggcgt tgcnttgcn tcaactgtga tttagatgca aatgcaacgc aacacaacat 420

<210> 18062  
<211> 451  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E1-H7

<400> 18062

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tcttcttcat ggagcttgaa ttctcactct gctactgcta aatcgatgtt agatagtgcc 120  
catcgccagt attctactca ctctccatcg gaaaccaaat cacagaaaat gctctattac 180  
ctcaccgctg ttgtctttgg tatggtgggg ttaacttacg ctgctgtgcc attgtataga 240  
acattctgcc aagctactgg atatggaggt actgttcaac gcaaagagac tgttgagaag 300  
aagattgcta ggcatcaga atctggtacc gtcactgaaa gggagattgt ggtgcagttc 360  
aatgctgatg ttgcagatgg gatgcantgg aantcaactc cncacaaaga gaggttagag 420  
taaagccagg agaaagtga cccccattt t 451

<210> 18063  
<211> 409  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E1-H8  
<400> 18063

aagacgacag aaggggcgaa acaaaaactc gtggaggaga tatgcaattg ctgacgctaa 60  
atccggcggc catttccagg acgcgcgcgc aagccataga cccttctca tctcagatc 120  
ttcttcttcc ttttctcag attttgagct cccaacgcgc tcttggtctt gtagctaggc 180  
cttgtaatcc acttcgacga ngattatcta ggtttttatc aagtcgacag cttttccgac 240  
gatccaaagt tgtcaangca gtagcaacct cagaccccat cttggaagta cttttaactg 300  
aggaaaatgt agaaagcgtt ttggatgaaa tccgacctta cttatgtct gatggtggta 360  
atgtggaatt acatgagatc atggaatatt gtgcgggtaa ncgaggga 409

<210> 18064  
<211> 428  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E1-H3  
<400> 18064

agcagaaatg gcgaaatcac tcctttgttc atcaacctta aacctttct tctccaccac 60

tctctcctct tcgaagaaga accaaattgc atactcggga aacagcaaga accagacatc 120  
gtcgtctctg ttatggaaaa gaagggaact gtcgcttgga tttatgagca gcttagttgc 180  
gattggtctc gtgagtaatg acagaagaag acacgacgcg aatgcagcga ttcttgaagc 240  
tgatgacgat gaagagcttc tcgagaaagt gaagcaagat cagaaaaaga ngattgagag 300  
acaagctgtt ctcanttctg ctgtcaaagg aaaangggta tttgcaagga tcttggttta 360  
caaatttgag caaggnaagg acaagccaat gaagaacaaa tgatttaaca acttgcaagg 420  
tttgntt 428

<210> 18065  
<211> 412  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-A1

<400> 18065

gaagggtacg gctgcgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngcg gccgctctan 120  
aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttctatag tgtcacctaa 180  
attcaattca ctggccgctg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 240  
acttaatcgc cttgcagcac atcccccttt cgccagctgg cgtaatagcg aagaggccccg 300  
caccgatngc ccttccaac agttgcgcan cctgaatggc gaatgggacg cccctgtacc 360  
ggngcaataa ncncgcggg tggttggtt accccaacgt gaccctaacn tg 412

<210> 18066  
<211> 421  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-A10

<400> 18066

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
nnnnggatta ccggagtctg aagagtcggc gccggatggc tttgatccgg aaaatccata 120

caaggatccg gtggcgatgg ttgaaatgag agagcacatc gttcgagaga aatggatcca 180  
aatcgagaag gctaagatct tgcgtgagaa ggtcaaatgg tgttaccgcg tcgaaggagt 240  
caatcactat cagaaatgtc gtcattctgt tcagcagtat ctcgattcca ctcgcgccgt 300  
cgggtgggga aaggatcatc gtcctatttc gctccacggt cccaaaccgg aggctgttga 360  
agctgaataa tgttgtgtgc ctcattgaga tgtctgaagt ttttgatatg ggacatagaa 420  
t 421

<210> 18067  
<211> 424  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-A11  
<400> 18067

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agaagacnan agaagggtac ggctgctaga agacgacaga anggtatggc tgcgataaga 120  
cnacagangg ggagaaacca caagagaaaa aggtgagttt gagggaaactt ccaangtata 180  
aatgggtcga tgcagagtt ggcgagttcg tacctgataa atcctctgcc ggacagatca 240  
ctttctcaat gtatgagcat gcggctggtg tttggnagaa agggctctcc tcaaagggtg 300  
tgcaattcgt ccaganaagt aataattggt atggcatagn caacatannt ctcnntntgc 360  
accaatggaa cttctcanca tatatttcac atcatgtcat gtntgtataa taacggttgt 420  
tcca 424

<210> 18068  
<211> 452  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-A3  
<400> 18068

nacttcgnta nggcngcnaa aacnacagaa gggggaccaa aatcgtnat tgaagtgaac 60  
agtcagcatc gttttgcttg cttgtgcgtt tctctcgaac tctctccatg gctgttgccg 120

tccaattcag ccgattatgc gttcgaccgg atactttcgt gcggggagaat catctctctg 180  
gatccggatc tctccgccgc cggaaagctt tatcagtcgg gtgctcgtct ggcgatgaga 240  
acgctccttc gccatcggtg gtgatggact ccgatttcga cgccaagggtg ttccgtaaga 300  
acttgacgag aagcgacaat tacaatcgta aagggttcgg tcataangag gagacactca 360  
agctcatgaa tccagaatnc aacaattgat aaaattggag aacactgaaa acaaattgggt 420  
aaaactaatc cttgggaaaa tggttacngtg aa 452

<210> 18069  
<211> 420  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-A5  
<400> 18069

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ctccttcacg tcagacctaa tcaactatcta ctcaatacct ccaactgcttc accgatccga 120  
agtgtcagat tccaaaattc caacggtttt catcctctgg cgttcgcacg tggtcaccga 180  
cgacttcctc tcggtgcagt agttccctct gactccacta agacgatcac cagtacgatt 240  
actgctaact gcgttgattc gggagtcaaa gctgttgaag tcgagcctat gatcgattac 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
aatgacgacn ggaggggaag acgataagga gganatgacc ggaagaagaa cacnctctgt 420

<210> 18070  
<211> 413  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-A6  
<400> 18070

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aagacaacaa aaaagaagtc agcgacgata tccgtagacg atttttactt gactgcagaa 120  
ggccaggctg aattgagaaa aaagaatcca ggaaatgcac ttctagagta tcgtggaaat 180



gcaggaagtc atgatctgaa actttctggt gaaacactag aagccctgtc gaaactgacc 240  
aaagaaggct taaagatgaa ggtacctagg tacaataagt ctgcctatag tgggagaggt 300  
gacanggccg attcatcaac atggcctgaa gttgaaggac ctctatcggt tattctcctt 360  
gaaggaatgg atgcttggtt ttaagcctcn tccagctgac gttgttaaag caa 413

<210> 18071  
<211> 200  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-B1

<400> 18071

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gagaagacga cagaaggata cggctgcgag aagacgacag aaggatacgg ctgcgagaag 120  
acgacagaag gatacggctg cgagaagacg acagaagggc nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnngcggc 200

<210> 18072  
<211> 425  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-B10

<400> 18072

agaaggggac cacttgcagt ttttcttatt ctctgtctt gtctaaagaa aaaagagaga 60  
ggaagaaatg gagacttttg aggaaagctc tgatttggat gttatacaga aacatctatt 120  
tgaagacttg atgatccctg atggtttcat tgaagatttt gtctttgatg atactgcttt 180  
tgtctccgga ctctggtctc tagaaccctt taaccagtt ccgaaactgg aacctagttc 240  
acctgttctt gatccagatt cctatgtcca agagattctg caaatggann nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnntga ggttgagact gtctcaaacc ggaaaaaac 360  
aaagaagttt gaagaaacga agacattaca gaagcgtgag aaggangcca tgggggaaat 420  
ttgca 425

<210> 18073  
<211> 410  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-036-Q1-E2-B11

<400> 18073

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ggaggtgcag ctgttgccaa gggaaagaag aaggagagttt ccttcaccat tgattgttca 120  
aagcctgtcg atgacaagat catggagatt gcttccttg agaagtttct tcaggagagg 180  
atcaaggctg gtggcaaagc tgggtgcactt ggtgattctg tcacaatcac acgtgagaag 240  
agcaagatca ctgtcactgc agatggccaa ttctccaaga ggtatttgaa gtacttgaca 300  
aagaagtgcc tgaagaagca caatgtaagg gattggctca gagtgattgc agcaaacaag 360  
gatcgtaacc tctatgagtt gaggtacttc aacattgctg agaacgaagg 410

<210> 18074  
<211> 278  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-B5

<400> 18074

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gctgcgagaa gacgacagaa gggtagcggt gcgagaagac gacagaaggg tacggctgctg 120  
agaagacgac agaaggggtac ggctgcgaga agacgacaga agggaaaact ctttcttatg 180  
tcttgttgat ctcaatagca ttgatacaat gtatatatat gcaatttaga atatgttcta 240  
tcnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcggcc 278

<210> 18075  
<211> 419  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E2-B8

<400> 18075

gacganagna gggggggcaa ggccttatag agattacaca acacaganan attacacact 60  
ganaaacaga naatggtaac tgangccttg cccaaatgcc ctgaanctcc actcgtactt 120  
ggactccaac ccgcagctct tatcgataac gtcgctcctg ttgattggcc tttactcgat 180  
caaattcccg gtgatcgcg tggctccatt gccgtgcana angatgagtt anaagcacat 240  
gctaaaagag cttgatgcac atatcagttg tggctccatt aaataagatg gctgngagga 300  
agtgtgacca atacaattcn angcttgaag tgttgggttc ggtgtagcca ctgggattat 360  
tgggtgcctat gganacgatg aacaacgcca attgtttgtt agcaataagg gttttaatg 419

<210> 18076

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-036-Q1-E2-C4

<400> 18076

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tcggaagggtt ctaagttttg aagaagtttc aaagcacaac aaaactaagg attgttggct 120  
tattatttcc ggcaagggtg atgatgtgac tccattcatg gatgatcatc ctggaggcga 180  
tgaagtcttg ttgtcctcaa cagggaaaga tgctacaaat gattttgaag acgttgggtca 240  
cagcgacact gcaagggaca tgatggacaa aatatttcat tgggtgagat ttgattccgt 300  
cctaagtgtt ccaagcaact aaggacatac gttgcaacca caagcaaacc aanctgcaac 360  
caaagacaaa gacaccaaga attcaattat caaagaatcc ttcaagttcc cttgttccga 420  
ttcttgatct tgggaat 437

<210> 18077

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-036-Q1-E1-A6

<400> 18077

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aagacaacaa aaaagaagtc agcgacgata tccgtanacg atttttactt gactgcagaa 120  
ggccaggctg aattgagaaa aaagaatcca ggaaatgcac ttctagagta tcgtggaaat 180  
gcacgaagtc atgatctgaa actttctggt gaaacactag aagccctgtc gaaactgacc 240  
aaagaangct taaagatgaa ggtacctang tacaataagt ctgcctatag tgggagaggt 300  
gacagggccg attcatcaac atggcctgaa gttgaaggac ctctatcggg tatectcttt 360  
gaggggatgga tgcttggttt aaacctcttc aactgacgtt gttaaagcan ttgaccac 419

<210> 18078  
<211> 423  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E1-A8

<400> 18078

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ctctctctct ctctctgcc tgcttcaaga aatggatcgg caaagttccg atgacatcat 120  
gaaatttctc gacggcatgg ctagttccga cgatgttctt tttggcttcc tcgacgaagg 180  
aaaccactca ccgaagtatc tagcctctc cgagaagctg gctatgattg cgtcatttcc 240  
aaatctaagt ggagaagctc tcatgagatc cctgcagggtg agcatgaata cttggagggtc 300  
gtggacaaat cggtttcaaa gaaaggcgag attcgggtgg tgatcgaact atgttttang 360  
gcgagagtttg acatggcaan agcagtgaag agtacaagcg actcatcgga atgttaccgg 420  
aat 423

<210> 18079  
<211> 201  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E1-B1

<400> 18079

ggctgcgaga agacgacaga aggatacggc tgcgagaaga cgacagaagg atacggctgc 60

gagaagacga cagaaggata cggctgcgag aagacgacag aaggatacgg ctgcgagaag 120  
 acgacagaag gatacggctg cgagaagacg acagaagggc nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnngcggc c 201

<210> 18080  
 <211> 482  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E1-B4  
 <400> 18080

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 agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga 120  
 canaagggtta cngctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag 180  
 ggtacngctg cgagaagacg acagaagggg agagaagaan aanatgtcna tgattccgat 240  
 cagcaatcgc cggngactat ctcccggcga tagaatctgg gaaccatttg aactcatgaa 300  
 caccctttctt gatttcccat caccagctct ctttctttct caccactttc cctcacnttc 360  
 tcgagaaata ntcccacaaa cttcatcatc caccgtcaat acgcagctca atttggaccg 420  
 anactccgac ggntcacgtt ttcaaancgt atcctccggg agtggatcaa gacaantgat 480  
 tg 482

<210> 18081  
 <211> 192  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E1-B5  
 <400> 18081

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 gagaagacga cagaagggaa aactctttct tatgtcttgt tgatctcaat ancattgata 120  
 caatgtatat atatgcaatt tagaatatgt tctatcnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnngcgg cc 192

<210> 18082  
 <211> 496  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E1-C1  
  
 <400> 18082

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gctgcgagaa gacgacagaa gggtagggct gcgagnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntgaatttca tctccgatca 180
ggtaaagaaa ctctcaagct caacaccaga ggagccagac cacaacaagc cagtcgaagg 240
aaccgaaaca gctacaagac cggctgccaa cgccgagccc atggcaagtg ccaaggttgt 300
agctgaagct gctcaagccg cagctcgta acgaatcaga caaactcgac aaggggtaan 360
tcgccgaagc tctgctgata tcttagacgc tgccgaaaaa tacgtagttt catgaaagat 420
natactgtca atactcnaca aggtgagaan ttctcaacga ctacnattct caaatccacc 480
gggctggtgg ccnccc                                                    496
  
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<210> 18083  
 <211> 475  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E1-A5  
  
 <400> 18083

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gaagaaaatg gcggatttga ttttgagtgc ctctctgca caatcctctc tccttcacgt 120
cagacctaat cactatctac tcaatacctc cactgcttca ccgatccgaa gtgtcagatt 180
ccaaaattcc aacgggttttc atcctctggc gttcgcatct ggtcaccgac gacttcctct 240
cgggtgcagta gttccctctg actccactaa gacgatcacc agtacgatta ctgctaactg 300
cgttgattcg ggagtcaaag ctgttgaagt cgagcctatg atcgattacn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa atgacgacgg 420
  
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aggggaagac gataaggagg agagtgacgg gaagaagaac acgcctcctg tcaag 475

<210> 18084  
<211> 422  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E1-C5  
  
<400> 18084

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aaaacaaaac aaaaaatggc taccgaaaa gctctgatca acgttcaccg gatcattcgc 120  
tccaccgccg tgggtggccg gagctctatc attcctgccg ccgctaaccg gtcataatcct 180  
attatattcc ggaatggagt tgatttgggg gcgagattct tctgtgagaa cactgcgtct 240  
gccagaatt tcgatattga tctctctaac gaagagaata agagaagaac gatcaacaga 300  
ttgttgata ngagcaagca aagaggggtt ttggaacttg atcttgttt ggggaattgg 360  
gttgaggaga atgtaattc catggacgaa aatggtgta atccctaaat cagtcncaa 420  
tt 422

<210> 18085  
<211> 424  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E1-C7  
  
<400> 18085

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agaagaaaat ggctgcctta tcagagaaag aggctgaagc ttatctcgac gcaaggccta 120  
gatatccgat cgattggttt aagaaaattg ccgcacggac acaggaccac aaatttgctt 180  
gggatgttgg aactggtaat ggtcangctg ctattgggct tgtggagcat tacgagaatg 240  
tagtggctac cgatataaac gaancacaac ttcaacgagc aatcaaacac tcaagaatca 300  
gttaccatca cactccaaca acgatatcag aagatganat ggtggntcna ctcgggggaa 360  
gaaaactccc ttggatctca taatttgctg gctcaagctg tccaatttct tccaacctca 420

acgt

424

<210> 18086  
<211> 497  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E1-D4  
  
<400> 18086

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ggctgcgaga anacgacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc 180  
gataagacga cagaagggta cggtgcgac aacacgacag aanggtacgg ctgcnataag 240  
acnacanaan ggtacggctg cgagaatacg acagaagggc acngctgcca naagacgaca 300  
gaaggggtact gctgcgagaa nacgacagaa cnggtacggc tgcgagaaga cnacagaatg 360  
gtacggctgc tagaagacta cagaacggta ctgctgcat aaaacnacag atgggcaaga 420  
taattaagac caccaattgg atcccntaaa aaaaacggcc ctcnaaaagg ttcaacctac 480  
nttaccttca tgcgact 497

<210> 18087  
<211> 421  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E1-D5  
  
<400> 18087

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tattanattg ttttctaaat tgtctgaaaa tcatggaagt aacttcnaa tctaccctcc 120  
ctccagggtt cagatttcat cctaccgacg aggaactcat cgtttactat cttcgaaacc 180  
agaccatgtc taaacctatgc cctgtctcca tcatcccaga agttgatatc tacaagttcg 240  
acccatggca attacccgag aaaacagagt ttggagaaaa tgagtgggtat ttcttcagcc 300  
ctanagaang aanatatcca aacggagtca gaccaaaccg ggcagctgtt tccggttact 360



gggaaagcaa cccggtacaa gacattccaa tcacagcgg tcaagttacn tttggtgtta 420

a 421

<210> 18088

<211> 373

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-036-Q1-E1-D7

<400> 18088

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gagaagacga cagaagggtta cggctgcgag aagacgacag aanggtacgg ctgcgagaag 120

acgacanaan ggtacggctg cgagaagacg acanaacggc acggctgcga naanacnaca 180

gaagggtacg gctgcgagaa gacgacagaa nggtacggct gcgaaagacg acagaagggt 240

acggctgcga gaagacgaca gaangatacg gctgcgagaa gacgacanaa ggggtacngct 300

gcnagaagac gacagaangg taccgctgcn anaagacgac agaagggtac ggctgctana 360

agacgacaga agg 373

<210> 18089

<211> 386

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-036-Q1-E1-E8

<400> 18089

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agattagaga agaagggttt gtgaaatgga gtccagttag gatgtggaga atctgagtag 120

agctattgag aagcttcttc atgagaagag gaagagagaa gcttctggtg acgccttcat 180

tgaagacgct gatgatcagc ttttctctc tagccttatt tctcagttgn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

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agaaatagct aaagacatca agaagg 386

<210> 18090  
 <211> 414  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E1-F3

<400> 18090

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 acgacagaag ggggaagctt agagaatcat ttgttcagaa gaggttctta ttttcaacct 180  
 ttatcttgga ctctccggtt gaaagttgct cttggtgcag cgaaagggtct tgcgtttctt 240  
 cataacgccg agactagtgt catataccgc gatttcaaaa cgtcgaatat actgcttgat 300  
 tcggagtaca atgctaagct tccgaattcc ggctaactta aagacgtcca accggtgata 360  
 aaaancattc ccacccggtt naggggtactt acgggatacc cactcccgaa tatc 414

<210> 18091  
 <211> 331  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-036-Q1-E1-G4

<400> 18091

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 acgtacgcgt gcatgcgacg tcatagctct tctanagtgt cacctaaatt caattcactg 180  
 gccgtcgttt tanaacgtcg tgactgggaa aaccctggng ttaccaact taatcncctt 240  
 gcagnaaatc cccttttcgc cagctggcgt aatagcgaan aggcccgcac cgatngccct 300  
 tcccaacagt tgcgancct gaatggcgaa t 331

<210> 18092  
 <211> 457  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-036-Q1-E1-G5

<400> 18092

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tccatgaaga ggcaggattc gatatcaagt acccgccaac gtgcagagaa gttcagatct 180  
tttaactctc ggacaagttc gaaaaagtat cagcatccta taagctcatt acagagtga 240  
gaggaaaacg aaaaagatag gctagtcagt ggacaatcca ttggaaaagg tgcttctaag 300  
agctcccaag ttagaaagg tccatcccca aacgggagct cacgagtctc aaaaccgtca 360  
ggtaaagttc aaacacaaac actaatactt ctgggaanaa gacgaanaac atccagngat 420  
taaaactggg ttacacaatc cttcccntcc caaaatt 457

<210> 18093  
<211> 488  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-033-Q1-E1-C10

<400> 18093

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aagaaggatg tatactcggg ttgggcatta ccagatgagg aatcggagcc ccgattcaaa 180  
aagctaattg aagctttgag atccgaattc actggcccaa gattcgttcc tcacgtcacc 240  
gtcgccgtat ctgcttatct gacggcagac gaagccaaga agatgttcga atcagcttgc 300  
gacggtctta aagcttacac cgccaccgtt gatcggtct ccaccggaac tttcttcttt 360  
caatgcgttt tcttgcttct ccaaaccacc cctgaggtaa tggaagctgg tgaacactgt 420  
aagaaccatt tcaattgttc cactaccaca ccttacatgc cgcanttgag cctgctttac 480  
gctgagtt 488

<210> 18094  
<211> 503

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-C2  
  
 <400> 18094  
  
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 gagaagacga cagaagggta cggctgcgag aagacgacag aaggggagac caacaaataa 120  
 acattaaacc caaatgatat attttggttag atcaatcgac aatcattata caacaatgat 180  
 gacaaaaaca ttggagattg atttgagatc agcagaaggg cttaagctaa accggagagacc 240  
 catcaagaaa aagacttttcg ccgtcgtaaa aatcgacgag aaatgtcgaa aatctaattct 300  
 tgacgaatcg agaagaagca atcctacatg gaactataaa tcagagatgc ccatcaatgg 360  
 taatgaacag tttatcttca ttgaggtatt ttatcgaaca ggttctgggc atgataaaaa 420  
 aatcggagaa gctaaaatcc caacgaatga tttcatggga aggtattcac ctgaaggnc 480  
 cttaaacttc ttgagctata aat 503

<210> 18095  
 <211> 503  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-C1  
  
 <400> 18095  
  
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 gcgactatga tatgtattga caactccgag tggatgcgaa acggagatta ctctccgtct 180  
 aggttacagg cgcaaacgga agctgttaat cttctttgcg gagccaaaac ccagtcgaat 240  
 ccggagaata cgggtggggat tttgacaatg gctggcaaag gagttagagt attgactact 300  
 cctacctctg atcttgga aattctggcc tgtatgcacg gtcttgatgt gggaggagag 360  
 agcaagacaa gaagctgctg ccaagaaggc ggccgatgag gcaggtcaga aagacaaaga 420  
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<210> 18096  
 <211> 491  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-C3

<400> 18096

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gacgacagaa ggggaagaca aaaaagggtta atttgaaaat tttcagatag aaacagtccc 120
gtcaccggcg acgatgaaat ggttgctcgt cgccgtattg acctctctta cgatcttctc 180
cgccttaaca cagtcccatc tcctccatgg atctccggtc aattctctct gcgctgatct 240
cattcatccc gctaattact cctgcactga acacagtatt caaacaagg atggttacat 300
attagctctt caacgtgtag cttctcttgg tccaagactt caatctggtc cacctgtttt 360
gottcagcac ggtctcttta tggctggaga tgtgtgggtc ttgaattcac caaaagagtc 420
actangtttc attcttgctg atcatgggtt tgatgtttgg gttggaaatg ttcgtggtac 480
acgttacagt t 491
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<210> 18097  
 <211> 493  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-C4

<400> 18097

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cagaagggga ttcaccggtt gttatatcgt cgattcatcg tcgtcgacgg cgagtacttg 120
tgacctccac acccagatta atcttctata actgatttta tcgcttagac gatcacgac 180
tcatcgatta actgacaaat gaagcatgta gtaaagatct tgagcctggt ggtggctatc 240
tctgccttct ggattggtct tttgcaggct gcaattattc ctcgaagcca tacatggttg 300
ctaccgatct actttgttgt atccctcgga tgctatggcc tattaatggt tggagtcggg 360
ctcatgcagt ttctacttg cccccaagaa gcagttctgc tgcagaagga tattgcagag 420
```

gctaaagggc ttcttcaagc acaaangggg anatgtttgg atncaantga cacaaaggcn 480  
 tttatcagac cat 493

<210> 18098  
 <211> 420  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-C5  
 <400> 18098

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 taacaattnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnngctt tggccacgac ggcaccgtta gctccgggtca ccagtcaacg aaaagtacgg 180  
 aacgatttgg aggaaacatt accaaaacca tacatggcaa gagcattagc agtccagat 240  
 acagagcatc cgaatggaac agaagggtcac gatagcaaag gaatgagtgt tatgcaacaa 300  
 catgttgctt tcttcgacca aaacgacgat ggaatcgtct atccttggga gacttataag 360  
 ggatttcgtg accttggttt caaccaatt tcctctatct tttggacctt actcataaaa 420

<210> 18099  
 <211> 491  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-C6  
 <400> 18099

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 aagacgacag aaggggggccc agatgagtta tcttctgaag acgttaacga cgaaggaaga 120  
 gattgatcgg gttatcagag acaccattga tgaagttctt gttttacgat ttggtcgttc 180  
 ctccgacgcc gtttgtcttc agcatgatga aatccttgcg aaatcgggtga gagatgtttc 240  
 gaaatttgct aaggtagctt tgggtgatgt tgattcagag gatgttcaag tgtatgtgaa 300  
 gtattttgat atcacgttgt ttccttcgac gatcttcttc ttcaatgcgc atcatatgaa 360  
 attggattct ggaactgcgg atcatactaa atgggttggt gcatttcata nanaacaaga 420

ctttantgat gttgttgagg ctatatatcg aggagcantg anagggaant gattgttcaa 480  
tgtccaagac c 491

<210> 18100  
<211> 412  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-033-Q1-E1-C7  
  
<400> 18100

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tttcatctct ccaattcgct tgcttcgacg atatctccac caatgtcgcc gccgctgagc 120  
gattagtcag agaagctcac gctaaaggag ctaatatcat tcttattcag gaactttttg 180  
aaggatatta cttctgtcaa gcacaaagag aagacttctt taagcgagcc aagccttaca 240  
agaaccatcc taccattgca aggatgcaga agctggcaaa ggaattgggt gtagtgatac 300  
ctggttagttt ctttgaggag gcaaatactg cacattacaa ttcgattgct ataattgatg 360  
ctgatggaac tgacttgga atttatagga agtctcatat tcctgatgga ct 412

<210> 18101  
<211> 423  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-033-Q1-E1-D11  
  
<400> 18101

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ctccgcggt ccaatatcga gctcgtgctc gatgttcaa accctgatct ccagcgtctc 120  
gcctccagcc aagcggaagc cgacacatgg gtccgcaaca acgtccgcaa ctatgcaaac 180  
gtcacatttc gttacatctc tgtcgggaac gaggtacagc cctcagacca agctgcgagc 240  
tttgtcctcc ccgcatgca gaacatagag agagcagttt caagcctcgg gatcaaggtc 300  
tcgacggcta tagacaccag aggcatcttc gggtttccgc cgtcaagtgg gacgttcaca 360  
ccggagttaa ggagctttat cgcaccggtg ataagtttct tgtcaaagca aagcaatctc 420  
ctc 423

<210> 18102  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-D6

<400> 18102

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 tcgccgataa tcctctctct ctagaaaaca tgactgccga acagaaagtg gagctcgccg 120  
 ccaaattgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccggtg 240  
 gccggtcaaa gcaaagcaga agtgagaaaa agagtcgtaa agctatgttg aagcttggga 300  
 tgaaaccaat cactggtgtt agccgtgtca ccgtcaaaaa gagcaagaat atcttgtttg 360  
 tgatatcaaa acctgatgtg ttcaagagtc cagcttcaga tacatatgtg atctttggt 419

<210> 18103  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-E11

<400> 18103

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 cgcgtccgcc cacgcgtccg cccacgcgtc cgtacggctg cgagaagacg acagaagggg 120  
 acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtagcgct 180  
 gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga 240  
 gacgacagaa ggatacggct gcgagaagac gacagaagga tacggctgcg agaagacgac 300  
 agaagggtac ggctgcgaga agacgacaga anggtacggc tgcgagaaga cgacagaagg 360  
 gtacggctgc caagaagacg acagaagggc tcaaaaaaaaa aanntnnnna nnaaaaaaaaa 420  
 gcgg 424



<210> 18104  
 <211> 501  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-E3

<400> 18104

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gtctgacctg tncctaccgg cnccggaat cccgngtcg acccacgct ccgactgctg 60
agaagacgac agaaggggat ctactttgt tcatctaaaa actcctcctt tcatttccaa 120
acaaaaactt ctttttattc tcacatctta aagatctctc tcatggcgat gtctttctca 180
ggagctgttc tctactggtat ggctttctct ttccacagcg gagccaagca gagcagcttc 240
ggcgctgtca gactcgcca gaaaactcag ttcgtcgtcg tttctcaacg caagaagtcg 300
ttgatctacg ccgctaaagg tgacggcaac atcctcgatg acctcaacga ggccacaaag 360
aaagcttcag atttcgtgac ggataaaaca aaagaggcat tagcagatgg tgagaaagcg 420
aaagactacg ttgttgaaaa aaacagtga accgcagata cattgggtna angaaaagaa 480
ncgcaaacaa ggcggcagaa t 501
```

<210> 18105  
 <211> 410  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-E5

<400> 18105

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ttggagccat ggaatgcagg aaactatggt caattatcca acatatactc tgttggtggc 60
agatgggacg aagctgctga agtaaggac atgatgaaca agaaaggat gaagaagatc 120
ccgggatata gttggatcga gttggaagg aaggtccatg agtttctagc agatgataaa 180
tcttatctc taagcgacaa gatatatgca aagctagaag atttggttaa tgaaatgagg 240
cttatgggtt ttgttccaac gacagaattt gttttcttcg atgttggaaga ggaagaaaaa 300
gaaaggtct tggggtatca cagcgagaan cttgcggttg cgtagggct gatcanttac 360
ggatcatggg ccaagtgatt ccggtggtga aagaatctaa anggtatgtg 410
```

<210> 18106  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-E7

<400> 18106

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tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acggaagggg acggctgcga gaagacgaca gaaggatacg gctgcgagaa gacgacagaa 240
gggtacggcg gcgagaagac gacagaagga tacggctgcg agaagacgac agaaggatac 300
ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg atacggctgc 360
gagaagacga cagaagggtta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 420
acgacagaag gg 432
```

<210> 18107  
 <211> 480  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-G3

<400> 18107

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ngttagctgc cgtaccggtc naaaattcan ggggtccacn acnctccgt acggctgcaa 60
gaagacnaca gaagggatgg ggaaaggaga tgggtgtgaa atatggttgc ccggtanagg 120
atgtaataac tggtttgacn attcagtgtc ncggatggaa atcagcctac ctgaacccgg 180
aaaagcaagc atttctcggg gtagcgccna ccaatttgca tcaaattgcta gtgcaccaga 240
ggagatggtc agaggagac tttcagatta tgctttcgaa gtatagtccg gtttggtatg 300
gaaaaggaaa gatcagttta ggactgatac ttggttactg ttgctaattgt ctttgggctc 360
atcttcacta acctgtgctc aattactccg ttttgacttc nctctgtctc ctcaaaaggc 420
attcctccgt tccaaaaggc cccaactcct ggntaatccc nttggataac tcaactggttg 480
```

<210> 18108  
 <211> 491  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-G7

<400> 18108

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ctgtncgcc tgctgtaaa ggccnaaat tcccgggtcc acccacncgt ccgtacggct 60
gcgagaagac agaagggtac ggctgcgaga aacgacagaa ggttacggct gcgagaagac 120
gacagaaggg tacggctgcn agaagacgac agaagggtac ggctgcgaga agacgacaga 180
agggacggac gattcgccat gttgggtgca gctggagcta ttgctcctga gatttttagga 240
aaggctggtc tgattccagc agagactgct cttccttggc tccaaaccgg tgtgattcca 300
ccagcagggc catacactta ctgggcagac aattacacac tctttgttct cnagatggct 360
ctgatgggat tcgctganca ccggnagggt acaagactgn tacaacccaa tgattctatg 420
ggaaaaacag ttccttcttg ggggttaaaa naanggggtt gcccggttca aggttaaccc 480
gggcnttaac c 491
```

<210> 18109  
 <211> 539  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-G10

<400> 18109

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ccacgcgtcc gtacggctgc gagaagacga cagaaggggg aaaaacagag agagggaaca 120
acaaccaanc actcatttct ccacatcttg agagaaaaaa acagagcaag tatattagag 180
atctcatggc gatggcggtc tccggagctg tcctcagtgg gcttggttct tcgttcctcc 240
accggaggca tgagaggtgc caccgcattg gcaagcggcg taaggactgg nagctcagan 300
agttngcagg aanactcnta ttgtcgctgc tgcggctgct cagcctaann aaatcttggg 360
attcctgcn gttaaaaggt ggtgggcaac ttcctttgac cctgaaatgg ctccaatggc 420
tccgctaanc aaggaagaat ttccgggttt cgaaccaat ttgggttttt gggggaaaag 480
```

aaccccngct tttttctgga aaatgggtaa caagacgaag gcttgangcc ttgaattca 539

<210> 18110  
<211> 521  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-H5  
  
<400> 18110

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tgacaaagga tatgtctctg aagaagacat acctaattct cttacctaaggcagtc 180  
caaggagtct cttcggtctg aaccagtcac cccattctt ctacacagag aaactatcgc 240  
agacgcaaag atangtggct atgatattcc ggccaagacc atcattcacg tgaacgcatg 300  
ggcggtttct cgtgacacag ccgcgtgggg agacaancct aaatgaattc attccaagag 360  
aaggttcant nnaccnaanc cacanaagga gttggacctt taaaggggcc caancntttt 420  
gnngcctect tanncttttc cngngttcnn gggcnggac naattgtnc cccgggcca 480  
tgcaatnctn tggggaattt gcaaattggt ntgaagatta c 521

<210> 18111  
<211> 403  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-032-Q1-E1-H6  
  
<400> 18111

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gatttcaatt tctaaagatc aattcctcgc ttggaaacgc caaaaggatg ctgagttatt 120  
agccaaacaa gctgaagcag caaggaaacg acaagaggac atagcttcag gtcgtgttcc 180  
aatgaatggt cgtgagcttt tcttgcata gacctgggtt ttcgacgata cccatcattg 240  
attctgggtct attcactact tctcatagg tgatttaaga catttcctcg atgatttgtg 300  
atccaactct gtttctcttt tggtgttgta ctctcatgtt ccacttttg tctcaagtgt 360

taaatcagaa atttagtcct cagtaattgt gacttaatcc ttg 403

<210> 18112  
<211> 417  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-H7  
  
<400> 18112

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tccgggtaga aatgattgat gcaatgggag gcgttatcaa agacaatgac tctgcaagcg 180  
atatcaagaa cctagtccta actactgggt gtagatgagg aaggtattgc agctaaagca 240  
ggtgattctc cttgectgtt gacaatatgc aacnttgggg tccctcttcc aaggaagatg 300  
aaatggggga attcactggg ttccgttttg atanaagaga atgggttggc cggnttcctt 360  
gaactgacca atttcccntt gtgccnacca aannctattt ggtactttga agggatc 417

<210> 18113  
<211> 401  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-H9  
  
<400> 18113

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tgattgactt tatacttcag cgagattgtt tatctctaag ctccaggnga agctaatttt 120  
gaattgcttc tgggttttta gtacgtagct ctctataaga tatataacan atggttcgct 180  
ccaangctcc tgcaaagaag cagcagncag aaaggaattg atttcaagaa aattaagaga 240  
aagctcggga gaaaattacc accaccaaag aatgcaacca aactgagat taaatccaaa 300  
gcaattatac ttcctgagca nagtgtggct gctgaaaaga gtggcttagc tacaagtaan 360  
aaagacattc ctgggatgac cactgggggtg ttttgggttg g 401

<210> 18114

<211> 493  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-033-Q1-E1-A10

<400> 18114

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gcgagaagac gacagaaggg gggaatccag aggttttggt tctgaatgga aacaagtttt 120  
tgggagtttt gattgtgcct ccaacaagtt tcttggcatc caacaggaag gggatgcaaa 180  
gaagtatgtg ggtgttccgg gcatgaactc tataatctaag gccttgtgta atgagtctgg 240  
tgttaagagt atgtttggaa ctggtattgc caagatggaa tggttggaag aagagatacc 300  
atggttggtg acagattcaa aaggagaaaa tttgggtcgt ttcgatggag tggttgcac 360  
aagataaaaa cattgtttct ccaaggttta ctcaagtaac tggactccca ccgcctctgg 420  
acttaagtct agtcccggag ttggcgacta agctgcaaaa cattccctgt tctaccatgc 480  
ttctctcnta agc 493

<210> 18115  
<211> 399  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-033-Q1-E1-A11

<400> 18115

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tg gatatggc gtctaagcgg atcttggggg aattgangga tctccanaag gatccaccta 120  
catcatgtac cgcaggctct gttgctgaag acatgtttca ctggcaggca acgataatgg 180  
gtccttcaga gagtccttat gctggaggtg ttttccttgt aaccatccat ttccctccgg 240  
attaccatt caagcctcct aangtggcct ttatgaccaa cgggtgttcca tcccaacatt 300  
aacaagnaac gggtagcatt tgctctgaca tcttgaanga gcantggagt cctgcctcan 360  
catttccaan gtgctgctat ccgatctggt cttttgnta 399

<210> 18116

<211> 497  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-A12  
  
 <400> 18116

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tgtttggccg ggcctaccgn nacgganatt cccgggtcga cccacgcgtc agaagacgac   60
agaagggtac gactgcgaga agacgacaga agggtagggc tgcgnnnnnnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnntg ccttcggagt taacaccaga agaacgatcg gaactaaaaa 240
actcaatcgc cgagttccac acataccaac tcgatccagg aagctgttca tcaactccacg 300
cgcaacgaat ccacgcgcct ccggaactcg tctgggtcaat cgtacgacga ttcgacaaac 360
caciaacata caaacacttc atcaaatect gtcctcgtcg acaaaaacttc gagatgcgcg 420
tcggatgcac gcgcgacgtg atcgtcatca gtggattacc ggcgaaacaca tcaacgggaa 480
aaggctcgat atactcc                                                    497
  
```

<210> 18117  
 <211> 394  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-A3  
  
 <400> 18117

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ctgcgagaag acgacagaag ggtacggctg cgagaagacg acanaagggt acggctgcga   60
gaagacgaca gaagggtacg gctgcganaa gacgacagaa gggtagggct gcgagaagac 120
gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga 180
agggcacggc tgcgagaaga cgacagaang gtacggctgc gagaagacga cagaanggta 240
cngctgcgan aaagacgaca gaagggtacn gctgcnanaa gacgacagaa gggtagggct 300
gcgagaagac gacagaacgg tacggctgcc cagaacacga canaaagggg gacccatttc 360
ttggcntaca acaacaaatc ttaaaccttt tact                                394
  
```

<210> 18118

<211> 488  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-A5  
  
 <400> 18118  
  
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 gacagaaggg ggcagacgca gccatgggta tcgatcttat cgcaggaggt aagagtaaga 120  
 agacaaaaag gactgctcct aagtccgatg atgtctacct aaagcttctc gtcaagcttt 180  
 accggttttt ggtgaggaga tctaacagca acttcaatgc tgtgattctg aaaaggcttt 240  
 tcatgagcaa agtcaacaaa gtcctctttt cactctctag gcttgtanag ttcatgactg 300  
 gcaaggatga caagattgct gtgttggttg gaactatcac tgatgatttg agagttcatg 360  
 anattcctgc catgaagggt actgccttga ggtttactga gagggctagg gctagaattg 420  
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 ggacagaa 488

<210> 18119  
 <211> 471  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-B10  
  
 <400> 18119  
  
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 gtgcgataca gttctggggt tgctgaagaa gactctggaa aaaagttcat ccatcacaat 120  
 tgattcgtgt tcttgaacg aatctancca ttcanacaca tgaaacattc ggtgaatcgg 180  
 cctccgacac cagatgaaga cnatgtggcg gatggtttcn agaaagacaa ngtcacgctt 240  
 cgagaaatca tcaacgtcaa gttggtggag agtggagaga atgagaatct aatggagctt 300  
 gtgagagata gattggtgga gtgtggttg aaagatgaag atgagaattg cttgcaggga 360  
 gcatgtnaag aagaaangga gaaaanatgt tacagtcgat gaactgatcc gantgatnac 420  
 tcctanaggn nagacttcag taccaagatt ctgtgaangg cagactgttt g 471



<210> 18120  
 <211> 408  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-B12

<400> 18120

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cagactcgtc ttgctcagta ctacgaatgg ctcactctcg aggaacgctg cgctctcgaa 120
ggcgaaatcg tccgtaaattg cctcgctcac aacgaccaac agtggttcgtt tgctcgagcat 180
cgcaactaca agatagtcta caggcggttac gcactctctt tcttcattggt tgggggttgat 240
gacgatgaaa acgagctggc gattctagag ttcatacatc ttttggtcga gacaatggac 300
aagcattttg gaaatgtgtg tgagctanac ataatgttcc atctggagaa antcanttca 360
tgctggaaga aatgggtgat gaatggttgc attgtggaga caagcaaa 408
```

<210> 18121  
 <211> 414  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-033-Q1-E1-B8

<400> 18121

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gaacctagcc gaggggtttt acttggaacg agacagactt tgtagagac taaagatggt 120
ggaagcactt ggaatccacg ttcgattcct tcagctgaag aagaagattt caattataga 180
ttcaattcga ttagctttta aggcaaagaa ggatggatta ttggcaaacc tgcgatttta 240
ttgtacactg ctgatgctgg agagaattgg gataggattc ctctaagttc tcagcttcct 300
ggagatatgg tgtttataaa agcgacagaa gataagagtg cagagatggt tactgatgaa 360
ggtgctattt atgttacttc aaacagggga tataactggg aaantgctat tcaa 414
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<210> 18122  
 <211> 411  
 <212> DNA

<213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-032-Q1-E1-D1  
 <400> 18122  
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 gtcattggaat ttctatgtga gtcaagccaa gaatcagaat tgtcccatg tggctcattt 120  
 cactgcatta tgggtgtattc cttctgtgtt tatgaactcc ttcttcgaag agcttgcgtt 180  
 taactataag gatgctctgt ttctaatagt tgatgttgat gaagttaagg aagtggcaag 240  
 tcaactagag gtaaaggcga tgccaacttt cttgttcttg aaggatggta atgcgatgga 300  
 caaactcgtg ggcgcaaacc ctgatgagat taagaaacgg gtcgatgggt tcgttcaatc 360  
 ctcacgtgtt gttcatattg cttaagagag atttatagat acgagcagat a 411

<210> 18123  
 <211> 492  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-D10  
 <400> 18123

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 ctgcganaag acgacagaag ggtacggctg cgagaagacg tcagaagggt acggctgcga 120  
 gaagacgaca gaagggcacg gctgcgagaa gacgacagaa gggtagcggt gcganaagac 180  
 gacagaangg tacngctgcn agaagacgac agaagggtag ggctgctaga agacgacaga 240  
 agggtagcgc tgcgagaaga cnacanaagg gtacggctgc nagaagacga cagaagggtg 300  
 cngctgcgag aagacnacag aagggtacng ctgcgagaag acgacagaag ggtacggctg 360  
 cgagaagact acagaatggg tacggctgcg agaanactac anaacggtag ggctgcgaca 420  
 agacnacaga anggtacngc tgcnagaata ccacataaag gtanngctgc cagaaaactn 480  
 cccaaaggga aa 492

<210> 18124  
 <211> 418  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-C9

<400> 18124

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taccgatcac gtcactctta cgccaccaag tccaaccaac accgcatcgt caaaactcct 120  
ggtggaaaat tgacttacca gacgacgaac aagagagcta gtggacctaa gtgccctggt 180  
actggcaaga gaatccaagg gattccgcat ttgagacctg ctgagtacaa aaggtcaagg 240  
ttggcaagga acgagaggac agtgaatcgt gcatatggtg gtgttctatc tggagttgct 300  
gttagggaga ngatcgtcag ggccttcttg gttgaaagaa caagaagatt gtgaagaaag 360  
gtttgaaagc ttcagaangn gaaaagagaa gactgcacca aaagagtttg aagaaaac 418

<210> 18125  
<211> 405  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-D3

<400> 18125

gaacattgga ccggtgggtc catcgaagtt cttggataac cggttgccag aagacaaaga 60  
ttacgaactc gagaactcca agacagagcc agacgagtct gttttgaagt ggttgggaaa 120  
caggccggcg aagtcggtgg tttacgtggc gtttgggaca ttggtggctt tgagcgaaaa 180  
acagatgaag gaaattgcaa tggcgattag ccaaaccgga tatcacttct tgtggtctgt 240  
tagagaatcc gagagaagca aactaccctc tggttttatc gaanaggcag aggagaaaga 300  
ctctggactt gtggctaagt gggttcctca actagaggtt ttagcacatg aatcaatcng 360  
gtgtttccct cacactgtgg atgggaactc cacattggag gcact 405

<210> 18126  
<211> 365  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-D4

<400> 18126

aagagatcga gagaagaata ntttgatcat cntgtgagaa aaataatggc tgcttcagtg 60

atgctatctt cngtgacatt gaaaccagct ggtttcacng tggagaagac ggcggctaaa 120

ngattaccgt cnetcanaaa anctccgtcc ctctttcaaa attgtcncca atggcggtcaa 180

gaaaatnaag accgacaagc ccentccgnan taacggcanc atggacttga gggacggcgt 240

cnacgcctcc ngcagaaagg caanggatac gtgttacaat actcacaata tgagctactc 300

atgatacatc tattacacag acatggcacc aatgtgctnt caaggaagat cccgatggaa 360

tggcg 365

<210> 18127

<211> 389

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-032-Q1-E1-D8

<400> 18127

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caactccgag tggatgcgaa acggagatta ctctccgtct aggttacagg cgcaaacgga 120

agctgttaat cttctttgcy gagccaaaac ccagtcgaat ccggagaata cgggtggggat 180

tttgacaatg gctgggcaaa ggagttagag tattgactac tcctacctct gatcttgggc 240

aaaattctgg cctgtatgca cggccttgat gtgggaagga gagatnaact taaccgcagc 300

tatccagatn gcccaactag ctcttaaagc atcgccaaaa caaagaatca acgccaaaag 360

gattaatggt tttgctggna atccaatca 389

<210> 18128

<211> 382

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-032-Q1-E1-D9

<400> 18128

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atcgaaaggc tctacnantt ctccaggtga ttttggtgaa naanacgtcc cactgggttca 120  
aagtgttgcc gctcttactt tccctaaagc agtcatattg gggaatcatg atgcctgggt 180  
cacccaagat tttccaagga angaananca aaaacaaaac ggtgttcaaa tgcaactcga 240  
tatecttggt gacgancata tangntatca ncgcatggac ttcccatctt ttaagctcaa 300  
gtagtgttggt tggtnacccc ttttcacatg gtggggatcg aatgtttcgg aaaaatctgc 360  
ntgtccaaag gtatgngatt ca 382

<210> 18129  
<211> 400  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-E10

<400> 18129

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gtaatgttca gagagttgat gccctgtca ctttatgtgg tgacatccat gggcagttct 120  
atgatatgat ggagcttttc aaagttgggg gtgattgtcc taagaccaac tatttgttta 180  
ngggagattt tgttgatcgt ggatattatt cggttgacac atttctactt cgactcgac 240  
tcaatgtcag atatccaaan cgcattnnctc tcatcagagg aaacctgaa agcangcaaa 300  
tcacacaggt ttatggattt tatgatgant gtttnctaa atatgggtcc tcaaattgtct 360  
ggaganactg caccgncatt tttgactaca tgantccttc 400

<210> 18130  
<211> 388  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-E12

<400> 18130

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gccaatatgc cgcaaagaca ctcgangaac aacaatgatc ttgcgtattt cacttacgac 120  
gagaagaaga agttagggtta tggaactcag agagagagtg attggggaga gactcgatca 180

aaccctttga tgcttggtct ctctgcttga agcctttcat tgatccgatg tgttgccata 240  
 aggggtcatgt cttttgcaga gagggtanac ttgaatgttt ccttgctcag aaaaaaagat 300  
 atccaaaagg aggcttgctg cacattcgtc tcaaaagaag caccgataa gatgannaag 360  
 aagagangct aatgttaca anaggcga 388

<210> 18131  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-E5  
 <400> 18131

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 ctcatctctt cggcttccga ggggtgaatct actgtcttct tcaacaagat gaaagggtgac 120  
 tattaccgct atcttgctga gttcaaatac gggaacgaga ggaaagaggc tgctgatcag 180  
 tctttgaaag cctatgagat tgctactact gctgctgagg ctaagctccc tccancacac 240  
 cctatcagat tgggtttggc ttogaatttc tctgtcttct actacgagat catgaacgca 300  
 cctgaaaggg catgtcactt tgctaagcan gcgttcgaat gaagcctaata ctcnnaagct 360  
 tgacactcct gaanccangg aatcctacna aggataagca cttttaataa tggcaac 417

<210> 18132  
 <211> 405  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-E6  
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncggagacg 120  
 attttgtgat ttcaccatta gtctctatca ccaggggttt ttggacgatc aattcacaga 180  
 attgaaaaag ctgcaagatg aatgtagtcc tgattttgtg gctgaggttg ttactctctt 240  
 ctttgaagac tgtgagaagc ttatcagtaa tatggctaga gctttagatc agacnggaaa 300

tgtagatttc aaactgggta ngttcctagt tgttcatcaa ctcananggt agtaccctca 360  
 agtgttggtg ccaannagag tcaannngtc cttgtgttac cctca 405

<210> 18133  
 <211> 418  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-E8  
 <400> 18133

ccatatctca cgcttaatta cagtattgcc actcattaaa accgtaccat cttaaccaaa 60  
 gcgataacct gtaccaccgg ttcagctatg gaggatttat tggaggagag gctaactcgg 120  
 actgactctg tcgggaataa acgagtcana gacgggttaa acctcnactc nccggacggt 180  
 taaaccggtt aagaaatgat ttgttcnatg actccggggc ttgacccagt gaagtcaaag 240  
 attcttgacc cggtgatnaa aaanttccaa gaatgaattt atccacaacc aacnggcngg 300  
 cgcctaance tncggttgaa acncggccgg atttttgggt naccttttcn aaaccttctg 360  
 atgaacaacc tgggtttgcc aacggccgct taagccaacg gaaaacgcct tcttctnc 418

<210> 18134  
 <211> 467  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-032-Q1-E1-E9  
 <400> 18134

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 gaagacgaca gaaggggacc gattcgagag tagcaatggg gattctatca tggntcacgg 120  
 gaagtcctaa gccatcacag tccgagacgt ctaagccgga gatgattcag atgccgaaat 180  
 caganactcc agccccgggg atgaatggng ccatanaagt tctcggccc gatcgcgcga 240  
 cggttttcga gttcggctcc gttgctgna ctgngacag ngtcactctc gctggttact 300  
 gtcngtttc cgatgatctc gaaccttgcc gttgggagat tcttcccgcc gacggcaaan 360  
 acnctccaca agtttcgctt catcttcnga ngaatcantc anataatcng tagaacaatg 420

taaacttggt canncctcgt cgcattgaaaa atggctctgg nctggta

467

<210> 18135  
<211> 394  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-F11

<400> 18135

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tcctgtagcg gaaacatctg attactactc cctcctcctc caaacgcgtt atccacggtg 120  
gcatcaatgt aattaaaccc aaaatcaagg gtattgttat tgtcattact tacggccgac 180  
caatctttcc acttggggcc gctctgaacc tcgctcgtga actccggcga caccacctgc 240  
tccgagcaac tcgaatccgt agtatgcaac ttcggcaccg aatccgacgt gtcgaaatac 300  
gcgaactcac ttgtctgttg cggcgggcga gnataancat ctccgtcanc ttcggcttct 360  
cctctcacat ggntctacct anccaacaaa accg 394

<210> 18136  
<211> 381  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-F12

<400> 18136

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cctgaaatga aatatttgnn acaanaggat ggtccgttga tgaagacaat caaaggtagc 120  
tatcactggg tttgggtgctg ggactattta cggnaccatt ttagccacat gggnaagatg 180  
ttccaaaaag tggngagaa atgtggctct tccaaggact tattagaaca ctgaangatg 240  
atggggaacc catgggctga cttttgctgc nataggaagt gtttacatcg gtgttgaaca 300  
agctggntca gaattttaga ttcaangaga gatttttaca atgggtgnaa ttgggggttt 360  
ttgtcgctgg gagcctcngt g 381

<210> 18137



<211> 519  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-032-Q1-E1-G1

<400> 18137

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gcgctccgtac ggctgcgaag aagacgacag aaggggggttc taggtggatt ctttaagaaaa 120  
agaaggaaac gaaaacagag gaataacaat ggcagggaga ataagctgct gtctaaatct 180  
tcctccccta gattcaaatt ctgcacaatc attagcttca ctgctcaaga caacgtcaaa 240  
gatctcttgt aggagaacag aaaatgagac agagccacgg aaaaacaagt gttcttttgt 300  
cctggggggtt ggcngcana ctgtcntaaa tcgggtcngga ttcaagatta atgatgttgc 360  
atcacttga aactgccggt tgttgaaaat cccccgggtt anaaaanaaa atggcttgcc 420  
nggttgtttg ttgccgcccg ccggaagggtt gganttgaca aagaaggacg ttttccgccc 480  
ttggcttgan naactcccct agaagaacaa ccgtnaccg 519

<210> 18138  
<211> 425  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-030-Q1-E1-D9

<400> 18138

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gggagccatt ggagctctcg gagacagagg aaaattcgtc gacgatcctc ccaccgggct 180  
cgagaaagcc gtcattcctc ccggcaaaac gtccgatctg ccctcgggtc caaagaacaa 240  
ggtccattgt ttgggttcac gaaggcgaac gagttattcg taggaagatt ggcacagttg 300  
ggaatagcat tttcactgat aggagagatt attaccggga aaggagcatt agctcaactc 360  
aacattgaga ccggtatacc aattcaagat atcgaaccac ttgtcctctt aaacgttgct 420  
ttctt 425

<210> 18139  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-030-Q1-E1-E3

<400> 18139

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 gttgatactt ggccgaccaa agtggagaaa ctcgagcggc ttcactcgcc cgagatgtac 180  
 gagatgattc acaaccatct tgccttgatt cttggaagca gaatgggtga tctgaactct 240  
 gttgcacaga taagcaagct cangagttgg ccaagtttac gctgcttctg tgatgtatgg 300  
 atatttcttg aagagggtyg accnaaagtt tcaagcttga gaagaccang aanattcctt 360  
 ccggggtygg tcggtatgaaa gtanaacang cccatgtaga tgcgangtac cactttg 417

<210> 18140  
 <211> 399  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-030-Q1-E1-F11

<400> 18140

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 atcttttaag agacgacata tatagttctc gaccaagaaa agaaaagggg gtgacctgag 120  
 ctcttcaaca cataacataa tggccggagt tttcaaaacg gttacgtttc ttgttttggt 180  
 tttcgctgcc gttgttgtct tgcgaggaga ctacgatgtt ggtgatgata cggaatggac 240  
 gaagactatg gacccccgag ttctatacta cttgggctac cggtaaaact tcccgttggt 300  
 aggcgaacaa gccnaattt gatttcnctg ctggggaagg aataatttgg caanttgtna 360  
 tcagaacctg catttgaaac cgtgagaaaa gagaaacct 399

<210> 18141  
 <211> 409  
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-030-Q1-E1-D7

<400> 18141

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cgagaaactg cacaaggaga attgcatgga tcgagttgcc caggatccgg atcagaattt 120  
gggcgaggct cctgatgtcg ggtgggtatc tgacctgctc atgtaaagaa aaaaatctga 180  
ccgtatttcg aagtctcatt ggcttttttg gatatcttcc aaggaaaaga ggaagggatc 240  
ttagtggtgt catattattt tatttactaa tctcgtattt tatctgctaa taagaattaa 300  
ttatggattt tggggcctga tttttctaag atgatcgttg tatagatgtg ccttaggggt 360  
ttanntatga natactatta atataatcgt gttttatang actataatg 409

<210> 18142

<211> 469

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-030-Q1-E1-F5

<400> 18142

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aaaccaaagc aaaaaaatgg ctttgaaact cacttctccg ctttcagttt tctcacaatc 120  
aaggagatca tctccttctt cgттаattcc gataaggtca aaatccacat tcaccggatt 180  
tcgatcgaga accggtgttt atttaagcaa aacgacggcg cttcagtcgt ctanaaaact 240  
gagtgtggcn gcggagagtc ctgcggcgac aattgcggcg gatgattggg ggaaagtatc 300  
ggcggttctg tttgatatgg acggcgtgct ttgtaacagt gaanatcttt ctanacgcgc 360  
cgccgttgga tgttntacg gagatgggaa ttgaagtcac tgtggacnaa ttccgttctt 420  
tttaanggga aacangtgaa gccnaactnt ttagggaagg tgttgcttc 469

<210> 18143

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-030-Q1-E1-F6

<400> 18143

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 gaccgcgccg gggatagata tagagatgct tggcaacatg ggatccaaag gaggcaaaat 120  
 tttggacggc ctttagggag aagagattaa ttataattc caactggtcc tgaacatcat 180  
 aactggtgg agatactatg ttacttgaga tctcagagca tccgacctag ctcatggttt 240  
 cacaggggtca ataccacgaa aggggtgactc gaantcatga actgttgaaa agaggaatgc 300  
 ntgaaggctg tgtacgtcaa aggggtaaca tgctcacctg atttgtgctg gcgaaagatg 360  
 attcatgcct attctttcaa ggaactggcg ctcttctgct ccagatnc 408

<210> 18144  
 <211> 89  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-030-Q1-E1-F7

<400> 18144

gcaaggcttg ctgatacttc ggatggcgaa atggatggag atccaccata ttcgcatgat 60  
 catccaatgc cacagggatg agagaaaag 89

<210> 18145  
 <211> 397  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-030-Q1-E1-G12

<400> 18145

acnacagaag ggtacngctg cnataagacn acanaagggt acggctgcga gaagacnaca 60  
 taagggtacn gctgcgagaa gacgacanaa ggggtacggct gcgagaagac nacagaagg 120  
 tacggctgcg agaagacgac anaagggtac ngctgcgaga agacnacaga aggggatcca 180  
 agaaaaaat aaacagaatt gcatgatcaa aacactctgt ttcattcctc tgttttttgc 240  
 tctgttttgc tctcacgcca taacgtgttc tgcttacagt ttcgacttca agttacttcg 300

gaaatggaac tgatctgatg acattccatg gagacgccga ntacgcttca nagcctgatg 360  
gtatgancan gtcaggagca attggnttga gccgtta 397

<210> 18146  
<211> 382  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-030-Q1-E1-G3  
  
<400> 18146

ccaaaaaaaa cagaagaata agaagacaca actcttggtt taaatttgag tcccatttac 60  
ttttgatgct aaataggaga gaaaacgttt ttgactcaca cataacgtag agagacagag 120  
agagacaaaa aaaaagagac gggaatattc cggcgaagat tgagactctc aatatccaat 180  
ggagaagtat tcccggcggg ctattctcct ttccacgggt gtcgccgccg tggtattctc 240  
tttaattccg gtttcaatct ctattccctt catactcttt cacgttaata ttaattatcc 300  
aaaaaaaaaa gaaaacagga attggagata aatgttctgg tggagttant aacttcacgc 360  
aactcctaaa caantctctc tg 382

<210> 18147  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-030-Q1-E1-G8  
  
<400> 18147

ggaatgatgg aatcttcagc tttaataaat ctgcagactc tcanaattcc gattcatctt 60  
attgaanaac aattttccgg cgaaacagcc gatgaantct cgctgaatc ttctgtncct 120  
ttcacgggtg attgacttca cttcagaatc gagananaag aaatcgatgg naaactaang 180  
aatagaacga gtttcanatt ctgcgtctct cntcanaacc gcaaatcann ggaacgaaga 240  
ggcgagagag agagatgagt aaacggaatc cnaaggattc tgaaagattt ttctgtatat 300  
gttacttctc aactctctct ttctnatcat ctacttcggt tttcactcan cgtcgggttc 360  
accggnagca gtcacagnct cgcgcataana gaccacgttt caagtgaana accaatcg 418

<210> 18148  
 <211> 390  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB35-030-Q1-E1-H10  
  
 <400> 18148  
  
 taccgactac ttccagtgtt ctcttcttct ccactaatc agatcacatt caagaatctt 60  
 cttcactcac atctctgaaa aaatggcgag caacatggaa gttttctgtg agatcttaat 120  
 cgcgatcctt cttccacctc ttggagtgtg tctcaaactt ggctgttgca ctgtagagtt 180  
 cttgatttgc ttggtgctga caatcttagg atacatccca gggataattt atgcactata 240  
 cgtgatcgtg tttcaaaacc gtgaaggctc taccgaactt ggagctccac ttaactcagc 300  
 ttgatctgtt ttggtccatt acacggatca atatgttggt gaaactgttt tacttatcat 360  
 gtaccaaata ataagttgct ttgcaatttt 390

<210> 18149  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-030-Q1-E1-H3  
  
 <400> 18149  
  
 gttttctact ttgcaattta gataaatctt tctatccact ttgagaataa attaagggct 60  
 ctcaatttcg aattctgctt ctccaacgaa aaaaacgaaa tctttaatgg cgaagaaagg 120  
 aggagcgacg ctagctgagg atgcaccatg gcgagtttcg tcaggaagac cagtccttaa 180  
 gatcagtcgc tctccggttt tatctatctc tcaaaaccca gaaaccgatt acgccatttc 240  
 cgtcatgaag catccgaatc ctgtgggagg tgggtttgcg atggaagctg tacttgaatc 300  
 cgcagganct gaatgcgttg ttcttgcca antaacacct cttcggttac ttggtgttaa 360  
 ggtgtngcct gttganntga tcntaaattc ttggaaccaa ngggaaaagg agc 413

<210> 18150  
 <211> 411  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-030-Q1-E1-H6

<400> 18150

accagaaaag cgaggaagaa gtacaagaac gagcacagcg agccgccgca gcagccagga 60  
 gatggaggga atactcacga agaggcgtgg ataagcgccc caccttcaaa ctcccagact 120  
 ccgcctccag aggagacaac tgaaaccata ggcagaaatc acttatagtt tatataggta 180  
 agcaggtttc ttactagatt atatatctat atatgtaaat gtcatgtcgc gttctagacc 240  
 tgtatagctt tgttctcaca tcgattaagg aagaaaanaa caagtgtatt taacgttttc 300  
 gatttctgta ttatactatt taaaaaaaaa gtttgcaacg cctagatnaa attaaaatac 360  
 attagntatg tnaaaaagac agnnnntgcn taaanaaaag cgggccgctc t 411

<210> 18151  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-A1

<400> 18151

ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc 60  
 gagaagacga cagaagggtg cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120  
 acgacagaag ggggaaacag atcttttcgta taatcagtga cgtagagatc naanacgatg 180  
 atgagctctg catccgccat gaaagctgtt ggatttttgc ttctgcttac cattctaaca 240  
 ttagcttatg cgaagaaatc angtgatgtg acanattgca gattggtgtt aagtacaagc 300  
 ctacagaaatg tgatctccaa gtcacaaaag gggataagat naaagggtcac tatcggggga 360  
 antttactga tggaactgtc tttgattcaa ntttgagaaa agtgaccnaa ttg 413

<210> 18152  
 <211> 396  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-031-Q1-E1-A10

<400> 18152

ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

ggggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggcactcac 120

caaactgata ctcgaagact tcttgatctt gaagggccct tgcccaaact gtggaacaga 180

gaatgtatct ttctttggaa cgatactatc catcccnnaa tgatagtaac accaacaatg 240

tcaaatgctc aggctgtgga acggagatgg tctatgactc aagttctcgt ttgatcacat 300

taccanaagg agggaaagct taaatctaag agccaanggt tatgttnnaag tgtatgttaa 360

attaatacta acaaatgaag aaagtggnga aatcca 396

<210> 18153

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-031-Q1-E1-A8

<400> 18153

aagacgacag aaggggggga agttgaaaat atgaaaattg taaatggcac tgtaatgttg 60

tgtgggaatc tgaatgcana tgaagctacg cangcgacac ctgagcctaa taatgcanan 120

ccgtatccag actatancct ggtggtcaca nagagggaaa caatcatgga ggttgatgag 180

ccgatccag atgatcaana aatccagagg atccaagact ctgttaccat catctctaac 240

cgtctcaaga aagccataaa ggccttgaga aatgaaatca accccggtca agcaaccact 300

gtgttacaaa tgcttctcaa aatagtcagg aacatcattg aacanncaaa tganatgana 360

ttcaaaaggc tgcttaggga aatctgcann taagcgcaac antctcaact ttccagcc 418

<210> 18154

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-031-Q1-E1-B12

<400> 18154

gcgtccgtac ggctgcgaga agacgacaga aggggactga aagaaaaaaa tgaacaaact 60



ctccaacgct ttctctgtcc tggttttcgc cgatgaagat gctccaatgg cttcttcttc 120  
 ttccactggg aaacaagaag aaagtgtaaa tgggtcactt gaggatggag attacaagca 180  
 accacttggt tggattgact tggaaatgac tggattaaat gttgaagttg acaggatatt 240  
 ggagattgca tgtataatta ctaatggaga tttaacacaa tcagtggagg gtccagattt 300  
 agttgtacgt caaacgaaag actgtttgga taaaatggat gactgggtgc aaactcatca 360  
 tggagctagt gggttgacga agaaagtgtc cctcantgcg ataactgaa 409

<210> 18155  
 <211> 397  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-029-Q1-E1-G2

<400> 18155

aaaagaaaaa agcctagagg aatagaannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnng ataagaatca atggccaagg aattagcaga 120  
 taaagctaaa naagcttttc tagatgatga cttcgggtgtt gctgttgact tatantccaa 180  
 agccattgac ttngatccc aattgcgcen ctttcttcnc cgatnttgct caggccaaca 240  
 tcancatcga taacttcact gaagctgttg tagatgcgat caacagccat tngn ttggga 300  
 ngcaacgttg gcaaangcct aatctcagaa agggcactgc ttgtantgaa agctagaaga 360  
 gttanaagna ntgctaaagc aaccctggga anaatgg 397

<210> 18156  
 <211> 320  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-029-Q1-E1-H10

<400> 18156

ggctggcgan aaggacgaca gaaggggntg tcaaagcgac acaaggacga attcctgtct 60  
 tcttgatgg tgggtgtcga cgtggcactg atgtcttcn agcacttgca cttggngcct 120  
 ccgggatatt tattgccaga cactgggtat tcttattggn agctgaaggg aganggctgg 180

antttanaaa aggggtgcttc aantgctacc gtgatgagtt cnacctgacc attgcactga 240  
 agtgggggtgt cnggtcccta agaggnaaat ctcccgatanc canatttacc aaccgaatgg 300  
 ggaaacgtcc acntccttca 320

<210> 18157  
 <211> 380  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-029-Q1-E1-G11  
 <400> 18157

ggtcgcagtg accaggcccc ggcgactggt taccaaaaac acaggtctcc gcaaagtcgt 60  
 aagaccatgt atgggggctg acgcctgccc agtgccggaa ggtaaggaa gttggtgacc 120  
 tgatgacagg ggagccggcg gccgaagccc cggatgaacag cggccgtaac aataacggtc 180  
 ctaaggtagc gaaattcctt gtcgggtaag ttccgacccg cacgaaaggc gtaacgatct 240  
 gggcactgtc tcggagaaga ggctcgggtga aatagacatg tctgtatgga cgacgatcct 300  
 gtgcgagag gaaagccatc taaccacact gtctacggct ctgggcatgg gcattctcgc 360  
 cgggtgacgc cctcctccca 380

<210> 18158  
 <211> 386  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-029-Q1-E1-H6  
 <400> 18158

ccatttcttg gcttacaaca acagatctta aacgttttac tttgtgctgc actactcaac 60  
 ctcaatggnc gcctcaacaa tggctctctc ctncctgnc ttgcccgtta aggccgtcaa 120  
 gctttcccc gcngcatctg aagtccttgg nacacggctg tgtgacaatg aggaagactg 180  
 ttgccaaccc aancggccca tcaggcagcc atgntacgga tctgcccgtg tcaagtactt 240  
 ggggtccattc tctggcgaat cancgagcta ccttacnggg anagntcccc gganactacg 300  
 ggattgggac accgcccgga ctttcagctt gaccccgaga cattcgnaan gaaccgttga 360  
 actngaaagt tatccacagc aagggtg 386

<210> 18159  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-030-Q1-E1-A11

<400> 18159

gcatccgtac ggctgcgaac gacagaaggg gaaggaggat tcgataaaat ggctccaaga 60  
 tccgattcgc aaaccggctc cagtgtatca gacgggttcag atcaatcctc aatggntcca 120  
 atattccacc ttctccgaat cgtcccatc tcattttctcc gaccaccgcg cctccgtctg 180  
 aagattccat cgttcacgct tccttctccg atgactgtat acgctctaata tctccttacc 240  
 tactttttac tagtctccgg ttctgtctac gacgtaattg tcgagcctcc gggatcggg 300  
 tcaactcang atccgactac tggnaactatt ccgaccggt gtgtttatgt cgggtcgggt 360  
 taacggggca ntatatcatt ganggtctct cttctggatt catgttcggt tctcgggtg 419

<210> 18160  
 <211> 361  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-030-Q1-E1-A12

<400> 18160

cgacagaagg gtctcatgga gagttcgatc ctggctcagg atgaacgctg gcggcatgct 60  
 taacacatgc aagtcggacg ggaantggtg tttccantgg cggacgggtg antaacgcgt 120  
 aagaacctgc ccttgggagg ggaacaacag ctggaaacgg ctgctaatac cccgtaggct 180  
 gaggagcaaa aggaggaatc cgcccagga ggggctcgcg tctgattagc tagttggtga 240  
 ggcaatagct taccagggng attatcagta tctgggtccga gaggattatc anccacactg 300  
 ngactgagac acggcccaga ctctacgng gangcaacag tggggaattt tcncagtg 360  
 g 361

<210> 18161  
 <211> 492

<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-030-Q1-E1-A3

<400> 18161

tacnttttccg tgcccggtccg aanattaaag ggtccacnca cgcgtccggn tgcgaaaacg 60  
acagaagggg gggataagtt ttctaaaaaa tcgaagaaag atcgatggct ctagatatct 120  
gcggtgaaggt tgccggtcggg gctcctgatg ttctcggcga ctgtccgttt agccaacgtg 180  
ctcttctgac acttgaggag aagaagcttc cctacaagac ccatctgatt aacgtctccg 240  
acaaacccca atggtttctta gacattagtc cagaggggaa agttccggtg gtgaagcttg 300  
atggcaaatg ggtggctgat tctgacgtaa ttgttgact tcttgaagag aaatatccan 360  
gagccttctc tcaagactcc tcctgaattt gctctgtagg atncaaaatc cttgggtgctt 420  
tgtgaccttc ntgaaaganc aaaagacgct aatgacgggt tccganaang ctttgggtgat 480  
gaattagaac cn 492

<210> 18162  
<211> 412  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-030-Q1-E1-A4

<400> 18162

ggaagcgaat tttctgacta agtatggatc taaggtttat attattcata ggagggatac 60  
gttttagggcg tctaanatta tgcagcagag agctttgtct aaccctaaga ttgaagtgat 120  
ttggaaccct gccgtgggtg aggcgtatgg tgatgaaaat ggacgtgttc ttggaggatt 180  
gaaggtgaag aatgttggtta ctggggatgt ttcagatctg aangtgtctg gattgttctt 240  
tgctattggt catgagccag ctacgaagtt tttggatggg cagcttgagc ttgatgaaca 300  
tggttatggt gtgaccaagc caggtactac taagacgagc gtggttggtg tatttgctgc 360  
tggagatggt caagacaann aagtatanac aggccatcac tgctgcanga ac 412

<210> 18163  
<211> 457

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-030-Q1-E1-B11  
  
 <400> 18163  
  
 gcatccgtac ggctgcgaga aacgacagaa ggggtactgct gcgagaagac gacagaaggg 60  
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 120  
 tgcganaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcnan 180  
 aagacgacag aaggggatcc aaaanaacaa aacannaaat tatattcaag agaaaaagga 240  
 aaaaatgaat ttcattctccg attaaggtna aagaaaactc tcaagctcaa caacaagagg 300  
 agccagaaca cnancaagnc aagtcnaagg gaancgaaac aancttcna gaccaacctn 360  
 cccaacgccc naggctcntg ggcaagtttc ccaanggttn gtaacttaaa nctgctcnaa 420  
 cccgcaanct ccttaacgaa tnccagetta aacctcc 457

<210> 18164  
 <211> 369  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-030-Q1-E1-B5  
  
 <400> 18164  
  
 atcaacgctc gtgcacgcca angtcttgct aacggagggtg gaatcattga nacntgtttc 60  
 tggcccggga agtatncatt agagctaagt tcagccgtct atggtaaact atggagggtt 120  
 gaccagnaaa ggcttaccgg cggatctcat caaaaggggg ttggctgang aagataagac 180  
 cacagancat ggagtacgct tgacgatacc anactatcca ttgcaaagt atgggtccaat 240  
 attgtgggat gcaantaaag aatgggtgac agactatgtg aaacattact atcctgatga 300  
 nnaactgatn acatcgggca tganttcaaa gggatgggtg agtganttgc ggaacatagc 360  
 cacgganac 369

<210> 18165  
 <211> 423  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-030-Q1-E1-C10

<400> 18165

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taataataat aactctgttc cggcaaaaaa tggagggttac acagttgggg atttcatgac 120  
tccgagacag aatttgcacg ttgttaagcc ctctacgtcg gtcgatgatg cgttggaact 180  
tctggttgag aagaaagtca cgggattgcc tgtaattgac gataattgga cactgggttg 240  
tggtgtttct gattacgatt tgcttgcatt ggactccatc tctggctgca gtcaaaatga 300  
tacaaacttg ttccctgatg tcgacagtac ctggaaaacg tttaacgaac tacagaaact 360  
gatcagtaag acatatggaa aagttgttgg agactgatga caccgtctcc tctcgttgtc 420  
cgt 423

<210> 18166

<211> 463

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-030-Q1-E1-C12

<400> 18166

tgcccncca gtacaagtca aaattcccgg gtcgaccac gcgtccgctg cgaaaagacg 60  
acagaagggg actgacgata caaactcgac gaagcaatgt ggtctcttgc nctaacttta 120  
ccatctccgt ctttgggtgc ngtgangagt actanactcg gncgaagtgt tattaatgg 180  
ggccggaatt ggtcaggact tactaagttg tcngagaaat cgangactaa acgaggtaat 240  
ggtcnctgct gcaaggcgga gctgtcngag ctanctccag tcgtctctgc tacttatgg 300  
gtacttcttc taagacgcgg tctcttcgct tatagcaaact ctggaagcan aggttctctc 360  
tttggggggt tgaccgggtt ctgttcttat ggcactctgc tacttctta ctaaatcacc 420  
agagacanga gttctcngcg ataccatang tcttgggtgct gcc 463

<210> 18167

<211> 393

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-030-Q1-E1-C7

<400> 18167

gctgcgtcag taaancgtat tcntaaaanc anccattggt gtgattgact ctataagaga 60  
attcgtcagc gtgaagcaat ctccaatcta atcgcagcat atcttctccg attcctattc 120  
gtctctgcaa ttgaatcttc cggtaggcga agatggcgac gtctgcgagg atttggttgcg 180  
gaggaggaag tgcattgcnc gttcgtttgtg atcgtcgcac gtnaaatttg aattctcgat 240  
cgtcatgtgt tgttccaagt gacgaatcga cggaatatgt gtgcgatcgg gaagatttcg 300  
antgtcgatg gangatttgt caccaccgtc tgcnnccgtg aangattnan angattggtg 360  
gaacgaaacc cggtaggatct gtngtgtcca ggg 393

<210> 18168

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-030-Q1-E1-C9

<400> 18168

gcgtccgtac ggctgcgaga agacgacaga agggggccctc ttcgctgctc ctgccagcgt 60  
taataataat aactctgttc cggcaaaaaa tggagggttac acagttgggg atttcatgac 120  
tccgagacag aatttgcacg ttgttaagcc ctctacgtcg gtcgatgatg cgttggaact 180  
tctggttgag aagaaagtca cgggattgcc tgtaattgac gataattgga cactgggttg 240  
tggtgtttct gattacgatt tgcttgcatt ggactccatc tctggtcgca gtcaaaatga 300  
tacaaacttg ttccctgatg tcgacagtac ctggaaaacg tttaacgaac tacagaaact 360  
gatcagtaag acatatggaa aagttgttgg agacttgatg acaccgtctc ctctcgttgt 420  
ccgt 424

<210> 18169

<211> 497

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-030-Q1-E1-D3

<400> 18169

tacgtttgcc cgtgcccggc ccgaanatta angggctcgac gcacgcgtcc gcccacgcat 60

ccgcccacgc gtccgtacgg ctgcgagaag acgacagaag gggaagaaga gaagaagaag 120

aaccttaciaa ttgcttttgt aaatattgta ngtagtttaa ggacgtcact acctacatac 180

atggatttat gtggaactca gatgctgccc ctctcatcgc ctcatttcaa aacccttcat 240

ttggtttagtc ttgcatttat ttatccattt caatcttgat cgcattggaaa atgctancaa 300

tctcgatctc atggaacatt ttcacgtgag gcatgcacaa ggagtccaca atatagcatt 360

agaagagaag ggagagaaac ctgaatcaga aaancttttt gacgcccanc tttctccaaa 420

ggggctctgca acagggtttcg gaaaggcgca nccaaatcct tgnatcacgg attacttaac 480

actgtcgagt nagtgat 497

<210> 18170

<211> 289

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-030-Q1-E1-D4

<400> 18170

cctcacaaga ttcaagggat angacctggt tttataccaa gtgtnttgaa tgttgatctt 60

attgacgaag ttgttcangt ttcaagtgat gaatccattg acatggcaag gcancttgct 120

cttaaagaag gtcttcttgt gggaatatca tccgggtgcag cagctgctgc ancaattaaa 180

cttgacacaga ggccanaaaa cgctgggaag ctanttgtag cgatattccc cnnagtttct 240

gngaanaagg atctatcaac ggtacttttc gattccgacg cggaacaaa 289

<210> 18171

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-028-Q1-E1-H2

<400> 18171

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngtc aaccaacccg 180  
 aactcgctct tctgattccc tccgcctcag agtctccgcc accgccaatt ctccgtcttc 240  
 ttctttttca ggaggcgaga ttatcgagaa tgtagtgatt ataggctccg gtcccgcgcg 300  
 ttatacggcg gcgatatatg cagcgcgcg ccaatttgaag ccggtgggtt ttgaagggtg 360  
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 gg 422

<210> 18172  
 <211> 418  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-028-Q1-E1-H5  
 <400> 18172

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 catcttaaag atctctctca tggcgatgtc tttctcagga gctgttctca ctggtatgac 120  
 ttctttcttc cacagcggag ccaagcagag cagcttcggc gctgtcagag tcggccagaa 180  
 aactcagttc gtcgtcgttt ctcaacgcaa gaagtcgttg atctacgccg ctaaagggtg 240  
 cggcaacatc ctcgatgacc tcaacgaggc cacaagaaa gcttcagatt tcgtgacgga 300  
 taaaacaaaa gaggcattag cagatgggtg gaaagcgaaa gactacgttg ttgaaaaaaa 360  
 cagtgaaacc gcaagataca ttgggtaaag aagctgagaa agctgcggcg tatgtgga 418

<210> 18173  
 <211> 421  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-028-Q1-E1-H8  
 <400> 18173

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 cgggtcggca gacggatgtg ggttcaacca gacgcccgtg ccgtccaatg ctcaacctgc 120  
 cacaccgtca cgcagctcta ctgcgtagtg gacatagctc gcggtgcaaa ccgcataatt 180

catgggtttn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnatgatgg ctcaaccgcc accacggctg cttgagcctc ttccctcgct gtttgggaag 300  
aagagagcag ttttatgcgg cgtgaactat aaggggaaaa agttatagct tgaaaagggt 360  
gcatcagttg atgctaagtc catgagatct taatgggtca acaaaatggg tttccctaata 420  
g 421

<210> 18174  
<211> 384  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-029-Q1-E1-A3  
<400> 18174

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acaggtcgtt tattccaagt ggaatacgcc atggaagcag tgaagcaagg atctgcagca 120  
attggactca gatctcggtc tcatgtcggt ctcgcttggt ttaacaaagc tcaatcggag 180  
ctttcttcgc atcagaggaa gatctttaa gtcgatgacc atatcggtgt tgcaatcgct 240  
ggcttcacaa gccgacggtc gtgtattgtc tcggtatatg agatcggaat cgattaatca 300  
ctcttttact tatgagtctc ctcttctgt tggctgctc gttgttcaac cttgctgata 360  
aagctcaaag gtctgtaccc aacg 384

<210> 18175  
<211> 458  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-028-Q1-E1-H12  
<400> 18175

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atggcgacca gagctttgct cgccgttata tatgcgtctc cgaatcgctg ctacatctct 120  
ccgagcagga tcaaaatcca atctttaact tgttcttctt caagtcatta ttaccaaaga 180  
cagagtagaa aaaaccacag aatagctcga agttactcgt ctgactcgga ttcctccggt 240

cttcagccgc cggatgtggc ccgtcttgct cagacagctc gaatctctct aactccggcg 300  
gagatagagg aatgtgaaac taaaattcgt cgagtcacgc actggtttgg gcaacttcaa 360  
caaagttgat gttaacagtg tggagccagc tattagagca gaaatggatg gtgggaaatt 420  
tgcgagagga tgctccagaa acatttngac aacaagga 458

<210> 18176  
<211> 396  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-029-Q1-E1-A4  
<400> 18176

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ctctcaattt cgaattctgc ttctccaacg aaaaaaacga aatctttaat ggccaagaaa 120  
ggaggagcga cgctagctga ggatgcacca tggcgagttt cgtcaggaag accagtgcct 180  
aagatcagtc gctctccggt tttatctatc tctcaaaacc caagaaaccg attacgccat 240  
ttccgtcatg aagcatccga atcctgtggg aggtgggttt gcgatggaag ctgtacttga 300  
atccgcagga cctgaatgcg ttgttcttgg ccaagtaaca cctcttcggt tacttgggtg 360  
ttaaggtgtg gcctgttgaa gttgatctta aaattc 396

<210> 18177  
<211> 391  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-029-Q1-E1-A8  
<400> 18177

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ttctggatgg atttcagtga atgtatgtct cactgcagag agcccaaaga ttgtaccctt 120  
cttcgtgaag attacctcga gtgtctccac cattccaaag agtttcaaag aaggaacagg 180  
atatacaagg aggagcagcg tanactaaga gcagcttcga ngaaaggtga anaanccgga 240  
gatgggactc acanccatca ctagtctcaa caatcctcct tcaagcttca tccgattcca 300  
ganaagaatn atanaagggt catgngaaca ttttgtatct tggaatctct aanacgcttt 360

gattgttttt cagttttcaa ntttatccaa t

391

<210> 18178  
<211> 378  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-029-Q1-E1-B11  
  
<400> 18178

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ggaggggaag cttgtagagg ctgagaaatt gtacgacgag atgatcaaaa ggtctataga 120  
tcctgatatt ttcaattata gttcactgat caatgggttt tgtatgcacg atcgttttaga 180  
cgaggccaag cacatgtttg agttgatgat tagcaaggac tgtttcccaa acgtagtgac 240  
ttacaatact cttataaagg gattttgtaa ggctaagaga gtagacgaag gtatggaact 300  
cttcgcgag atgtctcaaa gaggattggt tggcaacaca gtcacttaca ccactcttat 360  
ccatggattt tttcaagc 378

<210> 18179  
<211> 373  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-029-Q1-E1-B5  
  
<400> 18179

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aaattcaaga agaaaagaac aagagaaaac agaggaagan gtgagatgga agaacttgta 120  
nggcttctga gaatccgagt gaagagaggg atnaatcttg ctcagcgaga cactctaagc 180  
agcgaacctt ttgtgtcat aaccatggga tnacagaagc tgaagactcg tgttgtggaa 240  
aataactgca accctgagtt gaacgaggaa ttaacccttg cgtttaagac atcccgatga 300  
acctgtgaaa tcctgatagt gtatgataaa gatacattca catcgcacga caagattgga 360  
gatgcaagat aga 373

<210> 18180

<211> 379  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-029-Q1-E1-C5  
  
 <400> 18180  
  
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 ggtcaccgga ataaccagga gtctccggga tacaaaaccg tcactgtcta atctccgtgt 120  
 attttcgggt tacactgaga taagaactat gacgacgagt aatctgagga aatcggcggt 180  
 ttttgtggct aaggctatag aacagagacg aagatacagc tggatctgaa tcggaatcag 240  
 aagcgactcc cgtcaccggc ggaagagagt ggaagcggag aagataagga attggagatt 300  
 accgcgatag gagcagagat aaaagcagcg attgagcaga aggaaaacgg gcggaggaag 360  
 aagaaaggga aagaaccna 379

<210> 18181  
 <211> 389  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-029-Q1-E1-D6  
  
 <400> 18181  
  
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 gtanccgct tagacctanc tgcttccggt ataganacaa ccaggtcaat cactgacatt 180  
 tctacatgtg aacantantc tganccattg atgcagctaa tgacntcatt gccnaatgat 240  
 gacaacgttg tactcnttgg tcatagcttt ggangtttga gtttagcctt aaccatggga 300  
 taactttccc gataanatct ctgtcnctgt cntcgtnact gcattcatgn cccgacnnca 360  
 aacantcanc atcnctcggc ctaggaaat 389

<210> 18182  
 <211> 382  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-029-Q1-E1-D9

<400> 18182

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caagagtect cgccgtgttg tcgtggcggc gctcctattg tttgtggttc tgtgcgatct 120  
ttcgaattct gcgggagctg cgaattctgt gtcagctttc gttcagaacg ccatcttgtc 180  
caacaagatt gtcattctct ccaaatacta ctgcccgat tgtttgcggt cgaaacgtat 240  
attcaagcca acttaaggaa agagccattt gttgtggagc ttgatcagag agaggacgga 300  
gatcaaatcc agtatgagct tttagaattc gttggtcgtc gtactgtccc gcaaagtttt 360  
tgttaacggc aagcataatt gg 382

<210> 18183

<211> 377

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-029-Q1-E1-E1

<400> 18183

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gttgtttctca ttgtcataa tagctatgng nagttacctt tcanagttga caancncttc 120  
aaaggcctnc ttgcanctca aaganacttt ccancancca tagaagatga aaanccaanc 180  
acnggattat tagatgggaa tggggaatat acccttacat atgaagacaa tgagggagac 240  
aagatgcttg taggagatgt tccatggtaa atgtttgtgt cntcggtgaa gaggctgcgt 300  
gtgattaataa cttctgagat ttcttcagca ttaacatatg gaaatggtan gcaagagaat 360  
ntgagaagat gaagaaa 377

<210> 18184

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-029-Q1-E1-E4

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 acgattgtga atgctgagag acnaggaaaa gcttcgggtg agctcaaacc aatctccacc 120  
 gttatgtctt cgttcttgag aatcatgaag gagaaagggt atatcaagaa ctttcaagtg 180  
 tatgatccac atagagttgg gagaataaca gttgatctgc aaggaggagg taatgactgc 240  
 aaagctctta cctacaggca anacgttagg gcaaaagagg ttgagaaata cactgaacgc 300  
 acacttccaa cacgtcagtg gggttatggt gtaatcacia ctccggatgg gattttggac 360  
 caangannaa gcantcangc ggaatgtggg gtgg 394

<210> 18185  
 <211> 377  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-029-Q1-E1-E9  
 <400> 18185

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 aagttacgaa gcagcccagt cttgtcttac catctctcag aagagctttc tctctctacg 120  
 atcagatcaa tctcatcgat aacgttcctg aggatcagct ccgatttcag gagtattcat 180  
 ctctctcagt catgttccta atttgactat gtagcaaggg aatttggatt ttcgggtatg 240  
 aaatgaatca attaatgggtg ctttttgcag gtttgatgag acgagtttca ctgtgaatgg 300  
 ggttaaatac gaaggaagct tgctctgtgt tgggaatttg ctaangtcat ggaaccctcg 360  
 ttacttctcc gacanca 377

<210> 18186  
 <211> 397  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-029-Q1-E1-F2  
 <400> 18186

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 gatttgattc tccgtcgggt atatchagca atgtcgtttt tccccccaca gcaacaacag 120

acgcctcagc cgctgtttca aactcagcaa acgtcgttgt ttcagccgca gcaaaccaat 180  
tccatcttct cgcaatcgca accacagcaa accaattcca tcttctcnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nttgtatttg ttcaccaacg ataaagctcc 360  
ggcgaattac angtactaaa gtgggccgat cttcatc 397

<210> 18187  
<211> 374  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-029-Q1-E1-F7

<400> 18187

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catgcaagag aatggtagaa gaagaggagt tgcagtttca cgaggagtat atgaacgaaa 120  
gagatcctag catccttcac tttcttttag cttcaggaga tgatgtctct agtaagcagc 180  
ttcgtgatga cttgatgaca atgcttatag cgggacatga aacatcggcg gcagtattaa 240  
catggacctt ttacctttta acaacggaac caagtgtagt tgccaaactt caagaagagg 300  
ttgattctgt aattggagat agattcccaa ccatacaaga tatgaaaaag ctgaaataca 360  
ctactccgag tcat 374

<210> 18188  
<211> 422  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-026-Q1-E1-G1

<400> 18188

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atggttcgtg atttggtagat cgatatagcc aagaaggatt cgttctctaa cccggaaggc 180  
ctcaactgtc gtcaccttgg gattagtgga aactttgatg agaagcagat caaagttaac 240  
cataagctga gaggcgtagt gtcaacaact aagacaggtg aagtgaacaa gctcaactca 300



gacttagcta agaaattcac agactgcaaa tatcttcggg ttctcgatat ctcgaaatcc 360  
 atatttgatg ctctctgtc tgagattttg gatgagattg caagccttca acacttagca 420  
 tg 422

<210> 18189  
 <211> 386  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-026-Q1-E1-G11  
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 gaccaggaag gcttaccgc ggatctcatc aaaagggggg tggctgagga agataagacc 180  
 acagaacatg gagtacgtct gacgatacca gactatccat ttgcaaatga tggctctaata 240  
 ttgtgggatg caattaaaga atgggtgaca gactatgtga agcattacta tcctgatgaa 300  
 gaactgatca catcggacga ggaactccaa ggatggtgga gtgaagtgcg gaacataagc 360  
 cacggagaca agaaagacga ancttg 386

<210> 18190  
 <211> 427  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-026-Q1-E1-G4  
 <400> 18190

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 cctgcaggac ctgcgccacc gtctggccgg gccagatgg ttctcacgta tggatctcag 180  
 cgacgcgttc ttccgcatca gcggtcctca cgaaatgcgg taccacacca cctacacatg 240  
 cgacaacgtt gactactggt tcacaaaaat gccgttcgga ctcaagacgg caccgagtgt 300  
 gtttcagcgg ttcattggacc acgttcttgc gcgttgcaag aacgaagctt tctggtacat 360  
 ggacgatgta ctggtgactg ccgacagtcg ggaagagctc gtcgccgga cgcgcaaggt 420

acggcat

427

<210> 18191  
<211> 425  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-026-Q1-E1-H1  
  
<400> 18191

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acgcctcagc cgctgtttca aactcagcaa acgtcgttgt ttcagccgca gcaaaccaat 180  
tccatcttct cgcaatcgca accacagcaa accaattcca tcttctcaca accgcagcaa 240  
caacagcaaa cgctcgttgtt tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttgatttt gttcaccaac gataaagctc 360  
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agatt 425

<210> 18192  
<211> 431  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-026-Q1-E1-F4  
  
<400> 18192

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ctcctagtgt cggaatctct gttaaaccat cgaaactttc gtttaaaagc gtgggagaga 180  
agaagaggta cacagtcacg tttgttagca agaaaggagt gagtatgacg aacaaggctg 240  
agtttggttc catcacttgg agcaatccgc agcacgaagt gagaagtccc gttgcattct 300  
cttgggaaccg gttttgataa aaaaactaac atccctagtg atgatgtttt ctatttaaag 360  
ttatcttgat tgggtttang ctaaaccaaa gcccatcatg agccataagt agtgggaaat 420

gttctctgtgt n

431

<210> 18193  
<211> 379  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-026-Q1-E1-H12  
  
<400> 18193

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gtgaagggtga tgagtaaggc tttggcagag aaaggggtatt ataagcaaaa angtgttgtg 180  
aagaaagtga ttgataatta tgttggggag atcaanatgc ttgattctaa acatgtgttg 240  
agagttgatc aaaangagct agagactgtg cttccacaaa ttgganggat ggtgaagata 300  
gtgaatgggg catatcgtgg ttcnaatgca angttgttgg gtgtggatac agagaagttc 360  
tgtgccaaag tgcanatcg 379

<210> 18194  
<211> 417  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-026-Q1-E1-H5  
  
<400> 18194

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ttactcctcc aatggattca gctcgagagg tcagcgatgg tagacttacc gtcgaaggtt 120  
tctctgtagc ttctcgagct tttgccgata agtggaagat acataaccaa tcgttccttc 180  
catgggtcttg ggttcctctg atcaatcgaa ctctacttgt ttcaaagaag caggaggaag 240  
gttacttgtc gctggagaag atcataattc tcagttcact tgaggaggaa attccagagg 300  
atgaatctct aaatgtagct actgattgct tggaaaaaga agaaacagtt gatcacgcga 360  
ttttggtccc aaccatggaa aatgaagcac actactatga tttccatata gtttaca 417

<210> 18195

<211> 383  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-026-Q1-E1-H7

<400> 18195

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tagtaaactc aacagtctag ttgttaggtt aagaaaaata gatgtctctg tttcctctcc 120  
aactcttttt gatgattacg atagcgattc cgatgtttct tgttcctcta ccgtctctc 180  
tgacgatgaa aaagacgaag aagatgagggc tgatgatgaa gatgaggatg ttgactcgat 240  
ctttaatcga agacgagtca acggaggttt ccgcgttann nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn atagtggtag 360  
ttttggagat ttgtctcatg ggc 383

<210> 18196  
<211> 428  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-026-Q1-E1-H8

<400> 18196

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gcagacttac aggtcgagct tcaagggagg aaggatgata aaaatgtggc gcatttgact 120  
catgttggtg aaatgcaaaa gaaaatcgag actttgtcaa ggattactca aatattgaaa 180  
gatgttatac aaaacaagga tcgcattatt gctcgtctcc aacaacacca ggaggtaacg 240  
aaatgacaca tagagactca gattgtgtga ctccacctca agggangata gagtcaagct 300  
tcgacgattt aactgttcat aaaacaaagg agacaaaaca atgatcaaaa tgaagaagaa 360  
agaagaaaga anaagaaaga angaagatgg taataacaaa tgggaacccg aggactatcc 420  
ttggctcc 428

<210> 18197  
<211> 445  
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-027-Q1-E1-A10

<400> 18197

aacgacagaa gggggagaca aaccaaaaaa aagcctaaaa agccgacctt ttttctttct 60  
ttctctcttc tacctctcag cttctgctgg atctctccag cagacacgat cttgttcgga 120  
gagattcgta ggggaccgat ctatcaaggc ttcaagggca aacagaaatg gaccacgaca 180  
agacaggatg ccaaagccca cctgaaggtc ccaagctatg tactaacaac tgcggtttct 240  
ttggaagcgc tgccacaaat gaacatgtgt tctaagtgtc acaaagggat atgttggtcc 300  
aacaggagca gggcgctaag tttgcatccg caantgttct ggaacaatcc gtcatccaag 360  
caacatcata aaaggaaacc tttaccgctg ccgttgggcc gatattgaaa accaaaatcc 420  
cgttgaaccc gatgaacggt ttctg 445

<210> 18198

<211> 396

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-027-Q1-E1-A12

<400> 18198

caaaccaact ccacaggca cagcctcaaa cccacttccc ccaccagccc cggcacagct 60  
cccttctctg tctgcaatgg acctcttagc ctacgagagg caactggctc tanccaagat 120  
gcacctcag gctcaacatt ctctgaggca agcaggtctt ggagtcaatg ttgctggagg 180  
aactgcagct atgtatgatg gtggctatca gaatgtagct gcggcccatc agcagctcat 240  
gtactatcag taataaacc tcttcaactgg ctctgagata cttttttccg tntcttccct 300  
ttctctctct taattttatn actttccttg ctttttctag acttcctgt tcangagtcc 360  
ttatgtaagg tgtcnccttc atttttnaagc cgtttg 396

<210> 18199

<211> 470

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-027-Q1-E1-A4

<400> 18199

gcgtccgtac ggctgcgaga agacgacaga aggggattgc tacaggaaga ctaggatctt 60  
catggagaat tttcttccca agttggggat cactgtcact gtgattgatc ctgctgatat 120  
cgcagggctt gaagctgcag tgaatgagtt caaggatatct ctgttcttca ctgagtcctc 180  
gacaaacca ttccttagat gtgtcgacat tgagctagtt tcaaaaatat gccacaagag 240  
gggaactctg gtttgcattg atggcacctt tgcaacacct ctgaatcaga aagcccttgc 300  
tcttggtgct gatcttgtcg tgcactctgc tacaagtac attggaggac acaatgatgt 360  
tccttgccgg atgcatctgt gggtcactga aattgggttc aaaaattcgc aatcctgcat 420  
caagtgtttg ggaaggaaca acttanccca aaacaatcct tccttgagnc 470

<210> 18200  
<211> 320  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-027-Q1-E1-A7

<400> 18200

gctgcgagaa gacgacagaa gggtagcggt gcgagaagac gacagaaggg gaaaaaaaaa 60  
naaaaaanaaa annnagtaaa aagcggccgc tctagaggat ccaagcttac gtacncgtnc 120  
atgcgangtc atanctcttc tatantgtca cctaanttca attcactggc cgtcgtttta 180  
caacntcgtn actgggaaaa cctgncgtt acccaactta ntcgccttgc agcacatccc 240  
cctttcgcca gctggcgtaa tagcgaanag gcccgcaccg atcgcccttc ccaacagttg 300  
cgcaacctna atggcnaatg 320

<210> 18201  
<211> 443  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-027-Q1-E1-B12

<400> 18201

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnncttcttc ttcgtagggg gttcatcggt attaacgta tcgcccctac gtcagctcca 180  
 tctccaagaa acatgggtgc angtggaaga atgccgggtc ctacttcttc caagaaatcg 240  
 ggaaccgaca ccacaaagtg tgtgccgtnc naaaaaccgn ctttctcngt gggggatntg 300  
 aagaaagcaa tccccgcgcg aatgtttcna acgctcaatc cctcgctcct tctcccaact 360  
 tancantgac atcnntatag nctcangcct ttaantaang ttgccaccaa ttnaatttct 420  
 ctctctccct aaactctcnc cta 443

<210> 18202  
 <211> 429  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-027-Q1-E1-B3  
 <400> 18202

agaaggggga agaagcagta acaaatttgg tgaagtcacg agaatcaacg atgacggcga 60  
 cgaacaagca agtcatattg aaagactacg tgagtgggtt ccctacggaa tccgatttcg 120  
 atttcaactac caccaccgtc gaacttaggg ttccggaagg tactaactct gttctagtga 180  
 agaatcteta cttgtcatgc gatccttaca tgagaattcg catggggaaa cctgatcctt 240  
 ccaactgctgc tcttgctcaa gcttactctc ccggccagcc aatccaaggg tatggagtgt 300  
 ctagaataat agaatctgga catccagatt acaagaaagg agatttactc tgggggtata 360  
 gttcatggga aggatacagt gctatcactc caatgactca cgcgcatctc aaagattcaa 420  
 catactgat 429

<210> 18203  
 <211> 466  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-027-Q1-E1-B6  
 <400> 18203

gcgtccgtac ggctgcgaga agacgacaga aggggatctc cttgaaggtc ttgcagattt 60  
tgaaaagcaa ttaaatgttc cgggaggaac tgttgatgca caagatgtga aaagtgggtgg 120  
aactgataaa gctgatgaat cgaaggggtcc aaaaggtaca aaaacaggtt cgagcaatgg 180  
atccaagtgg aagtctatgc tgaagaacat cgttgaacaa gtttcccagg tccaattac 240  
tttgtctata ggggtgtctt cgcttcgagg gacactgtgt gtacacatga agccgcctcc 300  
atctgatcaa ctgtggtttg gcttcataag catgcctgat attgaattca accttgtccc 360  
ctccngttgg gtgaacacaa natcacaaaa caagcatgtt gctaagttcc ttgggtcaac 420  
cggttcaaag acggcgatac gagactcatg gtgctcccca anttgt 466

<210> 18204  
<211> 505  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-025-Q1-E1-H4  
<400> 18204

ccggnccgga aatccccggg acttcccang cntccgttcg gctgccaaga cgacagaagg 60  
gcataaaaaa aaaaaaacac aaaaaagttt caatggccgc ctcaacaatg gntctctcct 120  
ccctgctttc gccggaaang ntgtgaacct ttcccctgcg gnatcaaaan tccttggaag 180  
cggccgtgtn acaatgagga aaactgttgc caaaccaaan ggtccatcan gcaacccatg 240  
gtacggatnc gaccgagtca aatacttggg tccantctcc ggcgagtcac ccantacct 300  
taccggagaa ttccctggag aatacggacg ggacacaact ggtctatccg ctgaaccccg 360  
agacantccc aaggaacctt gagnctanaa atttatncac aacaaggtgg gccaagcccc 420  
gganccctaa ggtgcgctctt ccccgaaacc ttttggcaag aaccggngtc aanttttgng 480  
aagcaatttt ggtcaaaggc tgggt 505

<210> 18205  
<211> 359  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-025-Q1-E1-H5



<400> 18205

ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacanaagg gtacgggtgc 60  
ganaagacga cacgaanggg ttgattgtaa ncaaaaaaaaa nanantanca aaatnaaaan 120  
cggccgctct ataggatcca agcttacgtn cgcgtgcatg ccacntcata gctcttctat 180  
agtgtcaccn aaattcaatt cactggccgt cgttttaciaa cgtcgtgact gggaaaaccc 240  
tggcgttacc caacttaatc gccttgcatg cacatcccc tttcnccagc tggcgtaata 300  
gcnaacaagg ccgcaccgat tgcccttccc aacagttgcg caacctgaat ggccaatgg 359

<210> 18206

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-025-Q1-E1-H6

<400> 18206

cggagcttat ccgttacgac tgcgtcattg cacggaaaga agaaatccat ggatatggcc 60  
gaacgangtc tcgatactgg ccggagatct cttactgttt ctcgttctcc tttgggttta 120  
acangangcg ancgactgt gaaacggtta angtatcna aagcacttac agtaccagca 180  
acaacaacta tatatgaagc ttgtaaaang atggcttcac gacgagttga tgccttggtg 240  
ttgactgact ctaatgaaat gctttgtggt attcttactg ataaggacat agctacaaga 300  
gtgatttcac aggaacttaa tgtcnaggaa acacctgtat ctaaggttat gacnaagaan 360  
ccaatgtttg ttctccaana aacacttgct gttgaaactc tccaaaagat ggtc 414

<210> 18207

<211> 470

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-025-Q1-E1-H7

<400> 18207

gcgtccgtac gaagaagacg acagaaggat acggctgcga gaagacgaca gaagggggtc 60  
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gtcaccttca accgccggag ccgccgcaag gaaggctcat catccgccgt ggcaattttt 180  
 tgaggtgtac aaagcattgc ctatttgacg aaccaggaaa tggttaaaag gcatggagag 240  
 ttttgattta caagatatat catgtcgcag tgcatagacg gtttcaagca tgtatgctcc 300  
 tctttttccg gtgttttgat atcgatattt acaaacaatc tgggaggcct tggtgaccct 360  
 gaacttcttg cgaaagagac agtttttaac cgtgagtga atagaagctc tctaagaanc 420  
 tgttttaaga aaatcagcaa ttgctgttaa ttgatgaang gctaataaac 470

<210> 18208  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-H2

<400> 18208

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 gagtagcatt ggnactgggt acgatctctc cgtcaccact ttccctcccg atggccgtgt 120  
 tttccagatc gagtatgccg ctaaagctgt cgacaacant gggactgttg ttggaatcaa 180  
 gtgcaaagat gggattgtta tgggagtga gaaacttatt gcatcaaaga tgatgctacc 240  
 aagttccaac aaggagaatc caatctgttc atcngtcaag ctggcaatgg ctgttgctgg 300  
 gccttgcaac ctgatgggaa ggcaaaantt gttgccccnt tgctaaagtt ctgaaagcac 360  
 caaaanccta atgaagaaat ggttttaag gggcgaatgc cggtnacctg tttaaagga 420  
 acntttctga aa 432

<210> 18209  
 <211> 418  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-026-Q1-E1-A8

<400> 18209

ctctcagtct actttatccg atcggcgccg gcgagattca agggtaaaga agaagatgag 60  
 tggatgaagt gtttttagctg ctagagttaa tcgtgacctt ctcaaagcag tggatgaaca 120

tgttggtaaa gaagatcaca agtctcattt cttagacttt gttaagcaag aatttcgaaa 180  
 gaatgcaaac tcagagaaaa taaaccttgc tcgaaattat acatatcttc tcaatagcat 240  
 tcactctcac aaggatctgc tgttctcata caacattgcg gttgataaga actgaagaaa 300  
 tgaaacgagt gcttaataaa tctgcagcca gtgtangget tcgtcttcct gaagtttacg 360  
 agccttgatc atgcattcat tcctctttgt ctttccgggg gatgagtcgt tatgattt 418

<210> 18210  
 <211> 448  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-026-Q1-E1-B11  
 <400> 18210

acgcgtccgc gacagaaggg gggggaagac aattccgaga aaatagagag tagagagatc 60  
 ctaaagagtc aaaagaggtc aggtgattga ttaacccgtt gaataatctc cttctcccgt 120  
 tgaatcgggt cgaaatagtt gaactttaag ccaaacctta gcttgaggag gaagaggaat 180  
 ggtcggcgctg atgaacagat tgaggaatct ggacgcttac cctaaaatca atgaagattt 240  
 ctacaggcgt actctttctg gtggtggtat caccctcgcc tcttctattg tcatgctaata 300  
 tctcttcttc tccgagcttc agctgtacat tcacccggtt actgagactc agcttcgtgt 360  
 tgatacatca agaggagaga agctacggat taattttgat gttacattcc ctgcgcttca 420  
 atgttcgatt atagtctga ttccatgg 448

<210> 18211  
 <211> 361  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-026-Q1-E1-B7  
 <400> 18211

tatgggatct ttcgtgaaag aagaaacgtc gtcgttgatg acagattttt tggagaagtg 60  
 cggtggttat gcggtggtgg atggaggggt tgcgacggag ctacagcgcc acggagctga 120  
 tatcaatgat ccactttgga gtgctaagtg ccttattact tctcctcacc ttgttacaaa 180  
 ggtgcacttg gattaccttg aatctggagc aaatatcatc ataacagcat cttaccaggc 240

gacgatacan ggttttgtgg caaaaggtct atcggtggga gaagcanana atttacttag 300  
aaggagcggt gaaatcacgt acgaggcacn ttagattttc tacaacagat gcaccaaggg 360  
t 361

<210> 18212  
<211> 377  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-026-Q1-E1-C12  
<400> 18212

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ttatggctcc gtagaaacta tgctgatacc gtcctgggtga gagttgtgga ttcattacca 120  
gaagtgtatc cgaaggtaga gacttggata gagaatgtgg tgtttgaaga aggtaatgca 180  
acaataactta cactctttgt ctgtctcatc acaattctct atctccggga aagacaacgt 240  
agacaagtcg tcgttgttgc cgatccagtg gctgctgacg tggcacagcc gctcgacgct 300  
gatgtggcgc aacacctcgc tgcgttccca cggtaatcaa ntngtaatcg tttttcgtca 360  
attgtaataa cngaaaa 377

<210> 18213  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-026-Q1-E1-C7  
<400> 18213

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cgctttcttc ttctgtcgcg cttcttcgat cgctctctc tttcttcate ttcactccca 120  
aaaccctaatt cttcaccaga accaggatct ctggtttccc ttatcttgct tcccggcgat 180  
cccgcgattt catcaacggg agggatgatt tcgctgacga tacgaggagc tggaaccgga 240  
agatcaaacc ggagtatggg ttcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnnnnnn ntggatctgt tacttagatt ttagaaaaat gttttcagaa 360

agattttctaa gagagcaagg aaagctgtcc gatcaatttt gcctgtttcg atctctac 418

<210> 18214  
<211> 398  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-026-Q1-E1-D10

<400> 18214

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agaggttgaa tgatattgta gggagtgtt actatgtggc cccggaagtt ttacaccgta 120  
catatggaac agaagctgac atgtggagta taggagtgat tgcttatatt cttctctgtg 180  
gcagtcgacc cttttggggc cgtactgaat ccggaatctt tcgagctgta ctaaaggcag 240  
aaccaaattt tgaagaagct ccttggcctt ctctatcacc cgaagctgta gattttgtga 300  
agagattgct aaacaaagat taccgtaaaa gactaactgc ggcccaagct tcgtgtcatc 360  
cctggctggt tggctcncat gaactaaaga ttccatct 398

<210> 18215  
<211> 422  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-026-Q1-E1-D2

<400> 18215

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ttgccaaatt cttggcattg atgtatagtt atctaaacat atctatgagc aaaaacattt 120  
tgctgatgg aatcaaagga agagagattc accattcttt cccaatgact ctttttcagc 180  
ctcatgtagt ccgtttggat cgtcacactc ttaaactttt gaaatactgg acatggcaat 240  
ttgtggtcac tcgaccctg tgctccactt tgatgatagc ttacagctc atcggtttt 300  
atccttcacg gttgagctgg acattcacta tcattgtcaa tttctcggtt tctctggcct 360  
tgtattctct tgtgatattc taccatgtgt ttgctaagga gcttgctcct cataatccac 420  
tc 422

<210> 18216  
 <211> 401  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-026-Q1-E1-E9

<400> 18216

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntcat gccagtagca acaagaggaa 180
acatgaagaa ctcggttcca gtgaccttcc ttcnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnna catcgctcgtc atattaagtc tgatatgttt tgtatttcac 300
tttgtacctg ctctatttca gcttgtgtgc tcagttttgt tataattggt gatggaaaat 360
ggtgatttac atattaatga agcaatttat ttttctcaca a 401
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<210> 18217  
 <211> 295  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-026-Q1-E1-F12

<400> 18217

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acaatggctc gagctggtcc cagcttttgg agacccttcc ccttccaaat atcaaattga 60
tttgcccgaac tgctccttct caaccaataa gtttatttgg tggttttccc tccacagctt 120
ggtttgatgt tgtggacatc aatgaagatg gacctgatga tatggaagga ttggatgtgg 180
ctgctgcaca tgttgcaaata ctgtgtgcga atgagcctgc tgacattaaa ttangtggtg 240
gaggattcaa catgggtgtg gcgacatctc nataatctgc aactgttttg ccccc 295
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<210> 18218  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-026-Q1-E1-F2

<400> 18218

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gaagaagcaa gaacataaat gggttgtgcg ggatcgacac agtctcaagc agatgggtca 180  
gtgaagaaaa ttaggaagcc gaaaccgtgg aagcataccc aaccgatcac gaaagctgag 240  
cttatgaaac ttagagaaga gttttgggac actgctcctc attatggtgg tagaaaagag 300  
atatgggacg cacttcgcg tgctgcagaa gctgacatat ctcttgaca agcaattgtg 360  
gacagtgcaa gagtcattgt tcagaacaca ngatccacag tctgctatga cgagagaagt 420  
gcta 424

<210> 18219

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-026-Q1-E1-F3

<400> 18219

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cattgtcata ttagtaaaca agctctttat caggcaaaag aatcatactc tcatcgtaga 120  
atttcccgtc ataatcacag agaaagactc gatttttctc atagaaacca tagattgaca 180  
ataactagaa agcagcaacc tttgtctttc aacaccgtgt gttttgccgc agacgagccc 240  
tccgaaatca gtgctgatgc tagaatccgt agtgaggttc tgtctccgtt cagatcagtc 300  
cgtatgttct tctacctcgc ctttatagca agcggttcat taggaggact aatagccact 360  
tctaggctca tangtgccct ggccaatccg gctagatc 398

<210> 18220

<211> 445

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-025-Q1-E1-E9

<400> 18220

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 tttaggccct acgagagcag taggtgagggc cgaggatgtg tcaaattctt catccgaaga 120  
 tagaactcgt tcgggggggtt cttctgcagc cgagaggcgt agtaacggga agagacttgg 180  
 gcgtgaagaa agccccgaaa ctgagtccaa caaaattcag aagacgagaa tatcaaccaa 240  
 cggtagtgaa tttaggtttc cggtaggtct ctcaggtatt cgtgatcgtg aagatgaaga 300  
 tttttcatct ggcgttgctg ggagataatg accgtgaagt tcccggcgaa attgggattt 360  
 cttctccga caaagaaatc caanggggtg nncctgaaga cnacnaaggg atttcctgtg 420  
 aaanaaagga agaacaagga tgttc 445

<210> 18221  
 <211> 437  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-F1  
 <400> 18221

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 ggattacnt cgntcacaaa agctentccc tccttcaaaa ttgtcnccag cggcgtcaan 180  
 aagatcaaga ccgacaancc cttcggaatt aacggcagca tggacttgag ggacggcgtc 240  
 aacgcctccg gcaaaaaagg gcaagggata cgggtgtttac taatacgtcg acaagtatgg 300  
 agctaactcn atggatacag tcctaattta caacgagaac gaatgggtcaa ccaantgggtg 360  
 acctgtaca aaggaangat caccggattg gcaantttgg ccgtaactcc tcgccggaat 420  
 tcttgccnga ggtgctc 437

<210> 18222  
 <211> 435  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-F10  
 <400> 18222



tccnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn ngctagttag agctgcgtcg 120  
 gtgaggagtt tagggcacia gaatgagata gacatgttga tacaagagaa gctgcaacag 180  
 cagaagcaac agaagcaagg aggggttgctt aagagctcga gtactgggat ggcgaggata 240  
 gaggaagagg aagaaacaga ggaaggatct gtgaatccga aggtgaagaa gactaagaaa 300  
 gtctctgata ttttgtatcc tcgtagcaaa tcttacgccg ttactactag taccctatc 360  
 ttgtaacttc tcttctcct ttttctcct ctttaatttta gtantttgtg gattgattaa 420  
 caattttcca nccca 435

<210> 18223  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-E8  
 <400> 18223

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 acttggtaca agaaaatcat tccacggcgg tggagaaaaa acaaaagaga gcgagacaaa 120  
 gagagactac aatggctgtt ccaagaggag gaaatggttt gaatgaagaa gaagatgttg 180  
 acggagaaaa cgctatcttt gaggaaaacg gtgttgacta cgacaccgat tccgagcttc 240  
 cctctcacct ccgtgacttg gccgccgtg ctcaagccgg agatgtcgcc gccttgcgca 300  
 ccgccatcga caatttgaat gggagagtcg atgagccact ccaaggataa tgactccgca 360  
 cttcacttgg catgtctata tggtcaccta cttgtgttc aactgtcct tanaaag 417

<210> 18224  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-F12  
 <400> 18224

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ggttacttcg aataaccttc aatggagctt ccgttactct cgtatgctaa ctccgcgtcg 120  
 ttttcacgga caggcttatg ctcttcttct tcttctctct caactagtat ctatgagttt 180  
 ccggagagaa gacngagttt aaaattgaga ttcaatggtg gaaaaangtc acgaaacntt 240  
 ataaccttcc gctgaacgga acatttaaag gattgagaaa acacc 285

<210> 18225  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-F2  
 <400> 18225

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 gaaggggtacg gctgcnagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 120  
 tacggctgcn anaagacgac agaanggtac ngctgcnaa aagacgacag aaggggtacgg 180  
 ctgcgagaag acgacagaag ggtacggctg cgagaagacn acagaanggt acggctgcna 240  
 gaagaccaca gaaggggtacg gctgcgagaa gacgacagaa aggtacggct gcgagaagac 300  
 gacagaangg tacngctgcg agaagacgac agaaaggtac cgctgccaaa agacnacana 360  
 aaggtaccgc tgcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420  
 nngcgcnct ct 432

<210> 18226  
 <211> 428  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-F4  
 <400> 18226

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 gctcgttgtc tangtgaagc gataaaggca aagagtctga aaggtgaaac agaagaaaat 120  
 gaagaagagg gttataagag gattgaagaa ggtttgaaga agtatgcagg agaaaggaaa 180  
 tggagaagca ttgatcttat aacaacggca tatacagtag gattcataca ncanagcaan 240

agggaagtgg atgaacatgt tcagagacan gttcctgtcg tcntaccttt ctaggatgct 300  
gctgaaaaaa gtcccatthc aattgccgga agccttgtcc atgatgatcc tcaaccataa 360  
atccaaaacc ttgtaatcct ccttgtcatc acaactggan nacaattttc acctttgggt 420  
ttgctcaa 428

<210> 18227  
<211> 453  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-025-Q1-E1-F5

<400> 18227

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnt ttcattctccg atcaggtaaa gaaactctca 120  
agctcaacac cagaggagcc agaccacaac aagccagtcg aaggaaccga aacagctaca 180  
agaccagcta ccaacgccga gctcatggca agtgccaagg ttgtanctga agctgctcaa 240  
gccgcagctc gtaacgaatc aggcaaantc gacaanggta aagtcgccgg agccctctgc 300  
ttgatatttt aaacgctgcc gagaaatacg gtagtttcna tgaaaatagn ccactgggca 360  
gttactccga caaggctgan aagtattctca tcaattanna atcggttaaaa tcaacgggtng 420  
ctgggtgggtcc ncctctctccg ganaatcaag ggt 453

<210> 18228  
<211> 419  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-025-Q1-E1-F6

<400> 18228

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aattcgtag cgtgaagcaa tctccaatct aatcgtagca tatctttctcc gattcctatt 120  
cgtctctgca attgaatctt ccggtaggcg aagatggcga cgtctgagaa ggatttggtg 180  
cggaggagga agtgcagtcg ccgttcgttg tgatcgctgc acgttaaatt tgaattctcg 240

atcgtcatgt gttgttccag tgacgaatcg acggaatatg tgtgcatcg ggaagatttc 300  
gatgtcnatg gaggatttgt caccaccgtc tgcggcgggtg aagattgaaa ggatcgggtg 360  
aaggaaaccc gtgggatcgt tgtgtcnagg ganaanctaa atgtgtgggtt gaganattc 419

<210> 18229  
<211> 365  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-025-Q1-E1-F8  
<400> 18229

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ttccgtgttc accattgcta cacgttctcc acgaactttc cgatgcccgag tcgtcggaga 120  
catagctaca ccgtcggatc tcttgcaacc acatcttcca attacagtaa cactactttc 180  
accgatcggtt ccttcccgac aaccctgcc cgtacatcca ccgacacaac cacctccatc 240  
gctcgtcgca tctccggtat cttcatcaac tgcttcaactc ctcccgattc cgtttcctcc 300  
aactacatcg acaattcaaa gtctcttccg acaataatat ccgtagtana cgtagctcaa 360  
cagga 365

<210> 18230  
<211> 419  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-025-Q1-E1-G10  
<400> 18230

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acatcttaaa gatctctctc atggcgatgt ctttctcagg agctgttctc actgggatgg 120  
cttcttcttt ccacagcgga gccaaagcaga gcagcttcgg cgctgtcaga gtcggccaga 180  
aaactcagtt cgtcgtcggtt tctcaacgca agaagtcggtt gatctacgcc gctaaagggtg 240  
acggcaacat cctcgatgac ctcaacgagg ccacaaagaa agcttcagat ttcgtgacgg 300  
ataaaacaaa agaggcatta gcagatggtg agaaagcgaa agactacggtt gttgaaaaaa 360

acagtgaaac cgcagatata ttgggttaaag aagctgagaa agctgcgggt atgttggag 419

<210> 18231  
<211> 427  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB35-025-Q1-E1-G11  
  
<400> 18231

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tgacgagaaa gatacctaaga tggcgaccgc aagcgagagt tcttcattta agagatggct 120  
tccacttgaa tctaaccag atgttatgaa tcagtatctc tggggacttg gtcttgcccc 180  
tgatgaagca gaggatgcaatg atgtgtatgg gttagacgat gaacttctag aggtgggtcc 240  
aaagcctggt cttgctgttc tcttccttta cccaatcacc aaaaagagtg aagaagagag 300  
aatcgagcaa gacaaggaaa ttaaggaaaa ggtgcatagc gataaagttt actttatgaa 360  
acaaactggt ggtaatgctt gtggaaccat tgggtctctc atgctattgg gaatattacc 420  
tctgaaa 427

<210> 18232  
<211> 466  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-025-Q1-E1-G2  
  
<400> 18232

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agagagaggt gaaattgatt ttctgctcgc gatcgtcatt tcaatttcta attagctttc 120  
ctggtgtttc ttctccggcg taatcatgac aacctcaaaa agactagcag acaggaagat 180  
tgagaaattc gacaaaaaca ttttaaagag aggatttggt cctgagacca ccaccaagaa 240  
gggcaaggat tatcccggtg gtcccatcct tcttggtctt tttgtctttg ttgtcattgg 300  
atcatctctc tttcagatca ttangactgc aactagcgga ggcattggcat aaaccaaaat 360  
acagtcaagc tagaagaagc agttttcaaa atgtagaatc atcctccgtc ccccttcctt 420  
ttcnccccct aaactgtana atgtgtcaac ttccggtta caaaac 466

<210> 18233  
 <211> 489  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-G4

<400> 18233

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atttgaagaa gaagccatgg cagcaggacc aaccattgca caatagatgg catccggaga 120
taccaccagt agcagaggtc aaggctggtg agtttttccg ggtagaaatg attgatgcaa 180
tgggaggtgt tatcaaagac aatgactctg caagcgatat caagaaccta gtcctaacta 240
ctggttgtag atgaggaang tgttgacgt aaagcangtg atcttctgtc tgttgagatg 300
tgcaacttgg gtcctcttcc anganatgaa tgggggattc actgggttcg ttttgataga 360
aaaaatggtg ggcgggtttc ntgactgaac aatttccctt gtncnncan aaagctaant 420
ttggaacntt nnaagggatt ntaatgncct antcctctc aanantnctg ggaagttacn 480
aatttcccg 489
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<210> 18234  
 <211> 471  
 <212> DNA.  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-025-Q1-E1-G7

<400> 18234

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gatcaacgaa agtgtgagtt tgaggtgaaa gatgacggcg acgatagatc ggagggtatc 120
aacgctgaat ccaaacgcgc cgggtgttga tccggtggaa tttcgtgagg tggaggattt 180
ttcaccgaaa tgggtgggac tagtaacgac ttcgaaatgg ttccgtgact tttggctcag 240
tgctaactct gagaatgagt tcctcggcgg cgacgatttc tcagttatgg aagaagagtt 300
cgaggagatg atcgcacgt ctgatggtgg gatccatggc tgatacagtt acagaagcaa 360
gatgttggct aattanttga aaaatgcttt tgaacaatag cggagtccta cnaaagagaa 420
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gatttataga ttznaanggt ttcgcntgt tcacaaaaag tataacagaa g

471

<210> 18235  
<211> 373  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-025-Q1-E1-G9

<400> 18235

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aactaaacgg aaatgggtcaa gaacatgatc attcatccac atcaccaaaa tctgatgaag 120  
catctcgctc taccgttgga cctcaggaac cgcaaagccc ttatgtggaa gcaccgaaac 180  
ttggagaaga gcaaatcaac tatcacttcc caaggcctgc gccgcctcca ggagcacaga 240  
gacactctta aactggcaat ggattgattc acagatgaac gaaaagggtta ttttttcctt 300  
tttttgctat ataataaag tctttatgca tatttgatat atttgcangt gttggtatta 360  
ccattatgta att 373

<210> 18236  
<211> 373  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-023-Q1-E1-E7

<400> 18236

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agcgattccg ttgttgagaa tgatacttct gagacaaaac ctattctact ctggagagca 120  
ctgtacgtgc aagagctagt caagggtgaa tttggaggta cgatcagttc catgcctagt 180  
ccaagatgga aacttgaact acaatgagat agtggaaatca gccgtgaagc tatatgaaaa 240  
gctcatgggg agtgaagaat tatttaaaga agggacctca ccggcggaga acacaacgga 300  
ggangaaaac gatggtggtg ttgaaaatag aagattgatt gatgaatgaa accattgggt 360  
tttaacgact tan 373

<210> 18237  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-F2

<400> 18237

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gttcatagct ttgtaattat agtcttattt ctctttaagg ctcaataaga ggagatgggt 120
gaannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ggtctttgac 180
gtggccagcc acgatttcgt ccctccataa cgggctttta aatgcttcga tgatgatggc 240
cgctcaaaa gaactgggac tgtttggacc gcgagcgctc atataataac tgcggttatc 300
ggattcggcg ttttgtcatt gggcgtgggg cgattgcaca actccggatg gatcgctggg 360
cctgctgtga tgccaattgt tccccctgg taatccttta ctctccana cttcctaacg 420
aatgg                                             425
  
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<210> 18238  
 <211> 336  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-F4

<400> 18238

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agagcgtcac agtatttggc gatcaccggt gctggtatcg aagacatcaa gctttccaag 120
aagtcatggg tgtttccatg gcaatcttgc accgtcttcg acgtttctcc ggtgaactat 180
actttcaaag tccaagccat gaacgcagaa aagcttcctt ttgttcttcc ccgctgtttt 240
tacgattggg cctcgccgtt gatgaccatg acgcccctga attttgtatg ctaagggtga 300
atttctccn catgataaaa gaatccaatc catgtc                                             336
  
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<210> 18239  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana



<223> unsure at all n locations  
<223> Clone ID: LIB35-023-Q1-E1-F6

<400> 18239

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ctgattctcn tgttgattgg gatatcaaga gtgtggatgg anacaaaatt ggtaccaagc 120  
cgtttaatgg taaactggan gtgtantcaa aaggtttgag ataccttttg angtatatta 180  
aggataacta tggcgaccca naagttatca ttgccgagaa tggatacggg naanaccttg 240  
gtagaagcac aatgacgtaa actttgggac acaagatnac aacaganaat attatatcca 300  
caggcatctc ttgagtatgc acgacgccat ttgcaangac acantgaacg ttacnggata 360  
cnttgtgtgg tcctttgatg gaacaacttt gaatngcaag attgggtaca aggcgaagt 419

<210> 18240  
<211> 448  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-023-Q1-E1-F8

<400> 18240

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ggtacggctg cgagaagacg acagaagggg acggctgcga gaagacgaca gaagggtagc 120  
gctgcgagaa gacgacagaa gggcataaaa aaaaaaaca caaaaaagtt tcaatggccg 180  
cctcaacaat ggctctctcc tcccctgctt tcgccggaaa ggctgtgaac ctttccctg 240  
cggcatcaga agtccttgga agcggccgtg tgacaacgag gaagactgtt gccaagccaa 300  
agggtcatca ngcancccat ggtacggatt cgaccgagtc aaagtacttg ggtccattct 360  
ctggccaagt caccaactac ctttancggg agagtccctt ggaaacaacg gatgggacac 420  
aagctgggtcc aatccgcnga cccgagaa 448

<210> 18241  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-023-Q1-E1-E6

<400> 18241

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agatcctggg aaagcactta gggattggga tctatgggga ccttttttct tcattgtggt 120  
cttgggggctt actctttcgt ggtctgcttc cgtaagaag tctgaagtat ttgccgtggc 180  
atttgcacta cttgcagctg gggcagtgat cctcacacta aatgtgctgc ttctgggagg 240  
acatataatc tttttccaaa gcctaagcct tctaggctac tgtctatttc cgctagacgt 300  
tgagacagtg atctgcatgt tgaaagacat gtgatactga aanatggctg tngtgtcgtg 360  
actcctgcct ggaactcctt gggctgctta accctttcat gaagcgcccg caat 414

<210> 18242

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-023-Q1-E1-F9

<400> 18242

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atTTTTcaag agaaagtga agaaattgtg aaggtgttga aggatggagt tacaagtga 180  
aatcaagcag tgggtgcangc cntaaaagat ctggaagcac taacagtgac ggagaccgtt 240  
gagccacaag ttatggaaga agtgcagcca gaggagactg cancaccaca ggctgaagct 300  
caacaaactg aagctgctga gacacangga ggacaanaag aaggacaaga ntngagagg 360  
aaganacaca ganccaagac agaagcagan gcaatgcang angctctgtt ctgaagaata 420  
nt 422

<210> 18243

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-023-Q1-E1-G12

<400> 18243

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aatatcaggc atgtgtcaag agaatccaag gtgatgattc tggccacaag cattgcactg 120

gccagtatctt tgactactgg caatgcattg acaaatgtgt tgcaccaaag ctgtttgcga 180

aactaaaatg aaaagaggtg aagctggaga ctctattgtc ttgagtttgc tacatgtggt 240

ttaaaattga tgtataaaat gcagtggatg ttgaactttt tttactgcaa accagattgc 300

caaatggctc tgcttcttgg ttttgtttcc atcgcaagtt tgcgcttact acattttttt 360

gctacttgag taattgcatg gcctaatagc aaaaaaana a 401

<210> 18244

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-023-Q1-E1-G3

<400> 18244

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caccaaccgg gacgccgtcg acaactcctg ccgaagatag tagtacgacg tggtcaccgg 120

tagatacatc aatgatatac gaaggagctt tggatcaaaa caaaggatca ccgtccacgt 180

gtcatctttc gttatgtgga atcacagtca cacttgcgct ggccttttgt cggatgtggc 240

ggctcttttg acacctaact ttgtctcccc gcgtaaaaca ctgaagaatg tgggccctca 300

ctgacgaaaa gccttatctc gttccgggcc atgtgaancg gttatccga acgacgtcng 360

atgggtcaag ggtaagaaa aaaagtttac aacacctaca gntacnaaaa tctccttcaa 420

tcatgttcat 430

<210> 18245

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-023-Q1-E1-G5

<400> 18245

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 ggatccgata ttagggttca cttcaagaat actagggaaa cagcgcacgc aatcaggaag 180  
 ctaccattga tcaaggcgaa gaggtacctt gaggatgtga tggctcacia gcaagcaatt 240  
 cccttcacac gtttctgcag angtgttggg agaactgctc aagctaagaa catgcactnt 300  
 aatgggtcaag gacgttggcc anccaantcn gctcaatttg ttcttgattt gctcaagaac 360  
 ncctgagang canntgctga aggtgaaaag gttttggatg ttgatgccct cntcaatatc 420  
 a 421

<210> 18246  
 <211> 496  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-H10  
 <400> 18246

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 gagaagacna cngaagggga cangagtcga gagagaaatt agncatggng accagagctt 120  
 tgctcgccgt tatatatgcy tctccgaatc gctgctacat ctctccgagc aggatcaaaa 180  
 tccaancttt aacttgttct tcttcaagtc attattacna aagacagagt agaaaaaacc 240  
 acagaatagc tcgaagttac tcgtctgact cggattcctc cgttcttcag ccgccggatg 300  
 tggcccgtct tgctcagaca gctcgaatct ctctaactcc ggcggagata gangantgtg 360  
 aaactaaaat tcgtcgantc atcgactggg ttgggcagct tcaacangtt tgatgttaac 420  
 aatgtggagc cangctatta nagnagaaaa tgnatggtgg gaaattttgc naagaggatg 480  
 ctcccanaaa ccattt 496

<210> 18247  
 <211> 442  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-H4

<400> 18247

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attgtagttc cgattccgac aagggtctctc gtttccacgt gtctgacagt cggaatgccg 180
tttccatgct ttgcgatccg tacatgccga cgcgggcgca ttgggagatt tccggattgc 240
agtatcagcc gggtcgacag tctcgtccca cgatgtgtga ccgtcgttct catggtgcat 300
tctgtgcttc aacgcgcaat gggactccgg aatccccgatn tcgctgggcc gttcnaagaa 360
ggggaaccct ggaatgccgt ctgaaccctg ggcgtcatga caantgctct ggctaaggca 420
antccgatgc cgtcgtccgg gt 442

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<210> 18248  
 <211> 431  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-H8

<400> 18248

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ggaggttaatt accannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnncgta tgccggagaa gctgttcana ctcagcccgg tcactacaac 240
aatatattaa ccaatcacca ccatgcgtgt attgcattat gtatgtatga ttttaagttc 300
accatggtgc gtttgtatga actgcctcan gtttttgagg cactatncat taagaagana 360
actatngnga ntaaactttt gattatgtaa tgttttatgt tggtttgagt tgtaatactt 420
gctgtttgca t 431

```

<210> 18249  
 <211> 447  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-024-Q1-E1-A1

<400> 18249

gcccacgcgt ccgcccacgc gtccgcccac gcgtccgtac ggctgcgaga agacgacaga 60  
aggggggactt cgaaactttc cgttaaaact taaaagcacc ttcttcataa tctctgggtta 120  
ctttgggaag aaaaatatca attttggcgc catgtcagcc ttgtctgtga tcgaacaacg 180  
attgttaaag tgggacaagc tcgcgtcttt agtaccctaaa tcaaaaaaaaa ctccttttcc 240  
gattgatcgt cnaaacgagc ttttgaaaag tctgtgctaa ttcaagttat ccaagaattg 300  
gagaatcgat tcacgctcat ttgaattgtt accaaacaag catctagagc tgaagaccct 360  
tatcaanatn naaatcccct gatcnatccc tanggtgaaa tgcaagaaaa actgttccgn 420  
ngcncgcaag ccgttcgact taaangc 447

<210> 18250

<211> 483

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-024-Q1-E1-A2

<400> 18250

ggctccgaga agacgacaga agggtagcgc tgcgagaaga cgacagaagg gtacggctgc 60  
gaagaagacg acagaagggt acggctgcga aaagaccaca gangggtagc gctgcgaaaa 120  
gacgacagaa aggggaaaac cacaacaaac acaaaaatcn aaanggggtca ttactatct 180  
tttaagagac gacatatata gttctcgacc aagaaaagaa aaaggggtga cctgagttct 240  
tcaacatata acataatggc cncgagtttt caaaacgggt acntttcctg gttttggttt 300  
tcnctgcccg tttgtttgtc cttcnccgga aggactacna tgtttggtga atgataccgg 360  
aattggacca aaacctaag gacccccaat ttctaaaacn actttgggcc tanccgntta 420  
aaaactttcc ctttttggcg ancaaanctc ccaaatttta anttcccccc ccnngggaaa 480  
ggc 483

<210> 18251

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-024-Q1-E1-A8

<400> 18251

ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gaagagaaaa 60  
aagaaattat ggataactac agggaaaagc tcagggtcaat cgattgtaaa cacttttagtt 120  
ttggagatgg gaattgtcca ttcgggacaa gttgcttcta caagcacact gtgaagccag 180  
gttcatatgc atggaaatat cacaggccac ctccaaggcg tccacgtccc tatggaacta 240  
acttctcaga cgtggataca cttgtaaata tgatcgggaa tataatttca gaaggtgaat 300  
atggctctat tgggtttaga gatactgacg atgacgaact gactacaacg gatatgatga 360  
tgttactgat gcacatggat atcgaatctg aagactcttc caatgangat agctattagc 420  
tanccatat 429

<210> 18252

<211> 363

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-023-Q1-E1-A8

<400> 18252

ggaacgaaga tcatgttgct attatcaagg attacagagg aaagattgaa tccgagctta 60  
gcaaaatctg tgatgggatt ttgaatgttc ttgaagctca tcttattcct tctgcttcac 120  
cagctgaatc taaagtgttt tatcttaaga tgaaggggtga ttatcatagg tatcttgctg 180  
agtttaaggc tgggtgctgaa aggaaagaac tgctgaaagc acttttggtg cttacaagtc 240  
tgcttccgac attgccactg ctgagttngc tctactcac ccgataaggc ttgggtcttg 300  
actcaacttc gctgtgtttn actatcaant ccccnctcg cctgatngtg ctgcagcctc 360  
gca 363

<210> 18253

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-023-Q1-E1-B11

<400> 18253

ctgtaaaaaa gatttanaaa tgganactct gagtcgttta ttggttttca tgtctctgtt 60  
ttccggttta gtttctggat ttgctctgca aaatcttcca atcacatctt ttgaagaaag 120  
ttacactcaa ctttttggtg acaagaactt atttgttcat caagatggca aatctgtccg 180  
gttaacgctc gatgaaagaa ccggttccgg ttttgtttca aatgattatt acttgcattg 240  
attcttcagt gcttcaatta aattaccttc tgattataca gctggagttg ttgttgccct 300  
ttatatgtct aatggagata tgtatgaaga agaatcatga tgagatagat tttgagtttc 360  
ttgggtaaca ttagagaaaa agaatggaga gttcaagaca aacatttacg gtaatgga 418

<210> 18254

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-023-Q1-E1-B9

<400> 18254

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tgagtacaca gcaattatct gcagatccca cagtgcctcc ataacagagt acggtggtgt 120  
aggagacggc aagacgctaa acacaaaggc cttccaganc gccgttgatc atctcagcca 180  
atactcatct gaaggcggag cacagctctt tgtaccgccg gggaaatggc tcaccggaag 240  
tttcaacctc acaagccatt tcaactctgt tcttcacaaa gacgcaattc ttctcgtctc 300  
tcaagactta aacgaatacc caattctaaa ggctttgcct tcgtacggac naggacntga 360  
cgccgccggt ggaagattcg ctagtcncat cttcggcact aatctctccg acg 413

<210> 18255

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-023-Q1-E1-A2

<400> 18255

aaaataaaaa aataaaaatc tctatcttct tcttcgtctc ttctcatcct cctctcaagc 60  
tccaatggcg agagttctag tctcgtctcc atcttcattc ttcggttcac cgttgattaa 120



accgtcgtca tctctccgtc acagtggagt aggaggagga ggaaccgctc aatttcttcc 180  
 atacccggagt aataataaca aactcttcac tacttcaacc accgtacgat tcagcttaaa 240  
 cgagattcct cttttccatg gcttggattc atctgtagac atcggagcga ttttcaacaa 300  
 gagctgaate tcttctctat acaatagctg acgcccgcgc gttgtttggt gctgattccg 360  
 ttgtaactac tgattcatcc gccgttcaaa aaaattgggtg ggttggtttt ggtttaaccc 420  
 cgaagctaag gaaat 435

<210> 18256  
 <211> 412  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-C11  
 <400> 18256

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 gatccactga gattcagccc tttgtctcta agattcgata aananaaana naanatnaaa 120  
 anacnaaaag cggccgctct anaggatcca ngcttacgta nccntncatg cnacgtcana 180  
 gctcttctat antgtcacct aaattcaatt cactggccgt cgttttaciaa cgtcgtgact 240  
 gggaaaaccc tggcgttacc caacttaatc nccttgcagc acatccccct ttcgccagct 300  
 ggcgtaatag cgaagaggcc cgcaccgatn gcccttccca acagttgcgc agcctgaatg 360  
 gcgaatggga ccgcccttta acggcncatt aagcccggcg ggttctggtt gt 412

<210> 18257  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-C4  
 <400> 18257

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 taatacaata atccttatag aatgggtcaa gcaagatatc ttttttgttt gtttcccttg 120  
 ttaatcgta taaacttggt tctcaaaatt atgtttctgg ttagtttagg agctnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngctt gtaagggttc accgagacct 240  
 tcgatctctg aggagactgt gaaagtagan gataaagaat ggtggaatag aatgtctgaa 300  
 tcgagcacia agaagagtgg tantancaat agcaacaaca gtattaaggg ccgaaacanc 360  
 ttaagggatg aaaaaagtna ctgcntctcc tttcccaaca ttcaagaaac taantcc 417

<210> 18258  
 <211> 422  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-C8  
 <400> 18258

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 tgatttgtga aatatatgaa agtatcgctg ttgagaaatt gggactctga tctgttgacg 120  
 aaagccgaaa gcttttgtct ttggagctct aacctctgcc tctgaacaca cacagaatct 180  
 cccatggctg catttgcaac ggcagaagcg tgtgacagca acgcagaact aatatcaaat 240  
 ggagacttac gcgctcttca cccaatcttc aagatctatg gccaaagaan atgcntctca 300  
 ngaccaatcg tgactcccaa ggtccttgaa gacaatgtcc tcgtcagaaa ccaactngaa 360  
 angaanggga gaaagccgan tcctagttat agacggtggg gaaagcatga aatccnccct 420  
 tg 422

<210> 18259  
 <211> 406  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-D10  
 <400> 18259

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 gttcttccca cacaaaaaaa atggttactg cgacagcatc aactccattt tcaactctcg 120  
 cgtccgtggg tttcacgcgc cgtcgtaatt tcaaacgttt tccagtttgc gccagtcttt 180  
 ctccggaggt ttctctctt ctacagagcag ctcatcacac tgtggataat tatgtaaaga 240

gtgggatgat tattggttta ggatctggag aagcttcaga ttttgctata cgttatttgg 300  
 gtcaacaact tggttctggt tctttacata atgttggttg tgtaccaatg tctgctcgaa 360  
 gtgcgagtga agcagcanag tatggaatcc ccttggaata ttaccg 406

<210> 18260  
 <211> 355  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-D11  
 <400> 18260

agaaggggga acctccgatt tgactgcacc gtcggagctc gacgctgagc taagcttaac 60  
 caaagagctg tcgtatatta cactagcagt gaagatcgaa tcttaaaacc atggcttctc 120  
 cgaccaattc acagaaaaca gtttcggatg acgaggaagt tgattactcc atcaaaccgg 180  
 agttctatga ttcanatatt gatgatnaan atgagctttg gatggataag aagagaagat 240  
 ggctgtactt ttgatgctct tcttagctgt ccaacttggt tcaccactgt ctgcttagag 300  
 tgtcagaggg cacgaacaag tnngtgacan attcaggacc actcctttgt ggnca 355

<210> 18261  
 <211> 410  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-D12  
 <400> 18261

ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc 60  
 gagaagacga cagaagggtg cggctgagag aagacgacag aagggtacgg ctgagagaag 120  
 acgacagaag ggtacggctg cgagaagacg acagaagggt acgatagaca ttgaatctgt 180  
 gccaaagttc cttaccactc tcagattggt ggatctttac aaccaccccg gtgaatatgt 240  
 ggcaatgaat tcagagatct ccagcgcaat gcgagctgag aacaaagaat ttctggagaa 300  
 gatggaaagc tacgaaacac caatgtcatg cttcaagaac aacaaaggag attccattct 360  
 tcaccttgct gctgcttttg gtcattctga gctagtaaag agcatantct 410

<210> 18262  
 <211> 402  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-D3

<400> 18262

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ccccaaacac acacaaacta aaaaaaaggc aaaaccctag atccaagatc agacctaatac   60
taatcgaaac tcatagctga aaaatgaaga gagatcatca ccaattccaa ggctcgattgt   120
ccaaccacgg gacttcttct tcatcatcat caatctctaa agataagatg atgatgggtga   180
aaaaagaaga agacggtgga ggtaacatgg acgacgagct tctcgctgtt ttaggtttaca   240
aagttaggtc atcggagatg gcggagggttg ctttgaaact cgaacaatta gagacgatga   300
tgagtaatgt tcaagaagat ggnttatctc atctcgcgaa cggatactgt tcattaaaat   360
ccgtccgagc tttaatcttg gcttgatata agctctctga gc                               402

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<210> 18263  
 <211> 437  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-E1

<400> 18263

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aaggaaggct tgacagcacc ggtcagggttg ttgctgttaa acaactagac aggaatggtc   60
tacaaggtaa cagagaatct ctggtagagg ttcttatgct cagtcttctt catcatccca   120
acttagtcaa ccttattggt tattgtgctg atggagatca acgcctcttg gtctacgagt   180
ttatgccgtt aggatcattg gaagatcacc tccacgatct tccaccgat aaggaggcct   240
tatattggaa catgagaatg aaaatagctg ctggtgcggc gaaaggattg gaattttctac   300
atgataaggc aaancctccg gggtatttat aganatttta aagtcacaa atanttttac   360
tggaataagg gttccaacc ctaaaccttt ctgannttgg accttgccaa aactccggac   420
caaacgggaa gacaaaaa                               437

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<210> 18264  
 <211> 407  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB35-023-Q1-E1-E10  
  
 <400> 18264  
  
 gtgaccaggc cggggcgact gtttaccaaa aacacaggtc tccgcaaagt cgtaagacca 60  
 tgtatggggg ctgacgcctg cccagtgccg gaagggttaag gaagttggtg acctgatgac 120  
 aggggagccg gcgaccgaag ccccggtgaa cggcgggccgt aacaataacg gtcctaaggt 180  
 agcgaaattc cttgtcgggt aagttccgac ccgcacgaaa ggcgtaacga tctgggcact 240  
 gtctcggaga gaggctcggg gaaatagaca aaattgggtg tggctcttgat ttataaatgg 300  
 tcgatcggca tccacaattc aggcactcaa gatgcctctt tggtgtgaga acagatgggtg 360  
 gatggataga tttctcgtac caaaagtgtc ttcgagccta tgttcga 407

<210> 18265  
 <211> 336  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-E2  
  
 <400> 18265  
  
 acaaaccttt accagctctt ctacagcacg gagagattcg tcggagatag caaacatgga 60  
 gaagaaacgc gaaggagtaa tcgaaggaat gagtcggatc gtatcagatc cttactactt 120  
 cctccatttc atggcctttt tctcttacct cccgattcgt agctccgccg caccgtacac 180  
 ttctcatoga ctcttcgaca gagaaaatcc aagcatttct agcgtttctt aagttttccg 240  
 ccaataanat ggtgagggga ggaaacattg ggaaacnttc gttgctgata gtttactcct 300  
 atgctaagat ctttctaatt gccgtttccg ttgaat 336

<210> 18266  
 <211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-023-Q1-E1-E4

<400> 18266

ggattttcaat ttttgtttga gagagagaga gagagatggg gacgaangag caagtcgaag 60  
cttcattgac ttcgaaactt aagccaattc atctcgaagt cattgacata tctggagggtt 120  
gtgggttcgag ttttgaagtg gaggttgtct ctgaacaatt cgaagggaag agattgctgg 180  
agaggcatcg tatggtgaat gcngccctaa gaagaananc tgaaagagat tcatgctctc 240  
tctantaana nagctcagac tccacaacaa tggaagccac catcacaaga ctctgcaacc 300  
ttaancagag atgcctgaat ttctgttttt taaaagcctt gtgacaaata acaagagcat 360  
ttactaangt tgaatacctt gtgggtaact ggtactccga attaactgcn tttga 415

<210> 18267

<211> 349

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-023-Q1-E1-E5

<400> 18267

tcacgaagac gacgagtga gaagaagaan aagcaatggg gagaaagaag ggattaccgg 60  
agttcgaaga gtcggcgccg gatggctttg atccggaaaa tccatacaag gatccgggtg 120  
cgatggttga natgananag cacatcgttc gagagaaatg gatccaaatc nagaaggcta 180  
agatcttgcn tgagaaggtc aaatggtgtt accgcgtcaa aggagtcaat cactatcaga 240  
aatgtcgtca tcttgttcag cagtatcctc gaattccact cgcnggcgtc cgttnnanga 300  
aaggatcatc gtccctatctt cgctccgcng gtcccaancc ggaagctgt 349

<210> 18268

<211> 461

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-022-Q1-E1-D2

<400> 18268

gtgaccaggc ccgggcgact gtttaccaa aacacaggtc tccgcaaagt cgtaagacca 60  
tgtatggggg ctgacgctg cccagtgccg gaaggtaag gaagttggtg acctgatgac 120

aggggagccg gcgaccgaag ccccggtgaa cggcggccgt aactataacg gtcctaaggt 180  
 agcgaaattc cttgtcnggt aagttccgac cgcacgaaa ggcgtaacga tctgggcact 240  
 gtctcggaga gaagctcggg taaatagaca tgtctgtgaa gatgcggact acctgcacct 300  
 ggacagaaaag accctatgaa gagatttggg ggaaggtcca agtggcatga ngcanttcct 360  
 tacaattcct gttgtccata ataagttttg aaacatgctc caacctgggt aaccgttttg 420  
 aatgaaatga caagaacttn aatgggttgg ttnaaaccct t 461

<210> 18269  
 <211> 775  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-E10  
  
 <400> 18269

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 gtncccccg gggaaaaaaa attttcccc cgggggggaa aatcccgaa anccccnaa 120  
 acgggccccg gtttnccccg gttttaacgg ggggccnttg ggcccga aaa agaaaaaagg 180  
 aaaaccgnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tccnattttt 300  
 ncttcccaa caaattcctt tgaagaaaga aaannnnann anncaaagaa ngcnaaagg 360  
 ttataattta agaaggaatt ctcnattggg ccgaattggg ccgggtcctc ccggggaagc 420  
 ctggtccctc aagttggggc cttgggttct tccgttcct caaccgggaa gggcaaagaa 480  
 gaaggtgcca ccgcattgac aagcggcgta ggcactggga gtcagagag ttggcaggaa 540  
 aactcttatt gtcgtgctg cggctgctca gcctaagaaa tcttgatcc tgccgttaaa 600  
 ggtggtggca acttccttga acctgaatgg ctcgatggct cgctancaag gaagattttc 660  
 gggttcgaac cattgggggt tgggggaaaa gaaccgggc ttttcctgaa aatngtacia 720  
 gaagaaggct gaactgattc atggcccgat nggccaatng caaccggttt ctttg 775

<210> 18270  
 <211> 503  
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-E11

<400> 18270

caaagctctn ctgagaagtt gaagtccgat attaangggg ggttttanc gtttgaaaac 60

ataataantg aatnccttng ttngnttctt aantacnaaa caaantgttt ggaaactaaa 120

tgggttcagg anaccaaaca agtttgaaat actccaatcc gaaggaatat gccaaaatca 180

tgtcgaccaa cttagaatcc gctttccatt tatctcaaat tgctcatcct cttctaaaag 240

catctggtgt cggaagcatt gtgttcatct cctctgtanc tggcctggtg catcttagca 300

gtggatctat ctatggtgca actaaaggag cacttaatca gcttacaaga aatctagctt 360

gcgagtgggc aagcgacaac atcagaacca attgctgggc gccatggtac atcaagacct 420

cacttggtga aatgctactt gagaacgaaa gaatttgtgg angctgtaat ttcanggacc 480

ccactttggc gcgtttggn aaa 503

<210> 18271

<211> 505

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-D12

<400> 18271

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cgtacaagnt gcgaaaagac gacagaaggg ggacgaacat anaaacaaaa acatataatt 120

tgggttttta gagttcgaaa cttganatcn tttttttttg gttgctgagg aatcgaagta 180

gaagagtata aatgggtggt agagagaaag atccgttanc ccagttgagt ttgccaccag 240

gttttagatt ttatccgaca gatnaagagc ttcttgttca gtatctatgt cggaaggtg 300

caggctatca tttctctctc caggatcatc ganacatcga tctctacaag ttccatcctt 360

gggatttgcc aagtaaggct ttgtttgnga gagaaggaat ggtattcttt agcccaanag 420

atcggaatat atccgaacgg gtcaagaccc aatagagnta cccngggtcg ggtattgggn 480

aancaacgg gtactgacaa aaatt 505



<210> 18272  
 <211> 480  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-E4  
  
 <400> 18272  
  
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 gatgaagtcg cttgtggctc atttctcaac gcctttaatc accgctagat tagttcctag 120  
 atgtatcatc catcgagctt caatctccgc cgtctctttt tccaccgtcc gccgtcgatt 180  
 ttctctcttc accatggcct cagcagctca gtcttcttct caggctgtgt cttacgggag 240  
 tggcaacagt gatacagatg tttttaaatt gattcaagct cagcaggaga aggctgctcg 300  
 tctttcccca gtcgaagaaa tccgaactgt gcttaatggt agcatatgcg gtatgctttc 360  
 cactttttct cagaagtatg aaggttatct ttcanggtca atggttgatt ttgcatgtga 420  
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<210> 18273  
 <211> 453  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 gacgacagaa gggtagggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 120  
 agaaggggtac ggctgcgaga agacgacaga agggtagggc tgcgagaaga cgacagaagg 180  
 gtacggctgc gagaagacga cagaagggtta cggctgcnag aagacgacan aagggtacgg 240  
 ctgcgagaag acgacagaag ggtacngctg cgagaagacg acagaagggt acggctgcga 300  
 gaagacgaca gaagggtacg gctgcnagaa gaccacagaa nggtacggct gcgagaagac 360  
 gacagaaggg tacngctgcc aagaagacna cagaanggtta cggctgcnag aagacnacag 420  
 aagggtaccg ctgccaagaa gacgacagaa ggg 453

GenBank

<210> 18274  
<211> 536  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-022-Q1-E1-F10

<400> 18274

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ccgttacctg cgangaaaga cgacagaang gggaagaaan ntccttgtec ttggatgant 120  
gcnttcctcc tccaacatcg tcgtcaaagt ggaaacgaag aaatcctttg atctccccct 180  
ctcaatcgtc tctctctctg tcgccatctc cgccgtcgtc aatgggaaac gaagaagtcg 240  
aagcccacgg tgctgtactc tgaaaaatct gagaagtctc ttttcgtctt tgatcaaaag 300  
ttgatcgtct ctcctctctt tgtctggtac atggattctt tgattggggg ttcttcctca 360  
tgttagagtt cctcctangt cgagatnaaa accttcctan gtgctcttcg ctttcactgc 420  
ccccaatctc ttccttctcc gcttgtgttc tgaaatcatc atcgaatggg gctgacataa 480  
aaggatgttg ggaaaaagta attcaaccaa atcacgaant catcattcat cccgcg 536

<210> 18275  
<211> 505  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-022-Q1-E1-F12

<400> 18275

catgcccaca ggtccggaac tcgcgggncg acgcaagcct cnntactgag tcgaaanaac 60  
gacagaaggg tccggtcaaa tctcgggtggc ctttctcttc atccaagaaa agtttcggaa 120  
gcaaagatga aacctttttc gattcgcagc catggctaca atctgactcc gacgatgatt 180  
tccacagcgt aaatggcgat ttcaactccat cactcggaaa cactcctaag agcagcttct 240  
cagataggcc accacgtttc cacaacctta tattccacga gaagaagcct tcccgaggct 300  
cgtcttctcc agcgccactt ccaaggagga agaanccttg tgagcttttc agagacagta 360  
taagagaaga acgagaagaa agcggttcat cgtcagctat aagcactcct tatctatcan 420

gtgctaactc acgcgaattc aatgacaccg ccattcnaaa aggaanagaa gaagaaattt 480  
aactggcatc atcatcggtg tcttc 505

<210> 18276  
<211> 454  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-022-Q1-E1-F2  
<400> 18276

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tcattaaaag cctcagaaac agtggcgctc ttgtccatca atgggtgggaa gactaataag 180  
cttaacaaat gaagctttat aaactaaaac tatgttggtt ggtaagttgg tgttggtttg 240  
ttttccaatc cttgctcatg tatagagcaa agccacagaa gtttgctcca gcgaccagc 300  
acttctgtgg ttctacctaa ataagctgtc gtcgttatga actttgtttt gtgtgtttgt 360  
tcaatgaagt ttgctatgtt gtgtgtttct actggttttc atgctccgtt tcacaaaacg 420  
cttatagtan caaagtagcc tgacgantta acaa 454

<210> 18277  
<211> 525  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-022-Q1-E1-G3  
<400> 18277

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ccacgcgtcc gtacggctgc gaggacgaca gaagggtacg gctgagagaa gacgacagaa 120  
gggtccactg ttgttaagtt gcagagcgcc atcaaattca acggcggagg tcatgtcaac 180  
cattcgattt tctggaagaa ccttgctcct tccagtgaag gtgggtggaga gccacaaaaa 240  
ggatctcttg gtagtgccat tgacgctcac tttggctccc ttgaaggtct ggtgaaaaag 300  
atgagtgttg aggggtgtgc agtgcaaggc tcangatggg tgtggctcgg actagacaaa 360

gaactgaaga agctagttgt tgacacaact gccaatcagg attcattagt gacaaaagga 420  
 ngaagcttgg tacctctggg gggatatagat gtttggaac acgcctacta cttgcagtag 480  
 aaaaatgtga ngcctganta totgaagaat gtatggaaag tgatn 525

<210> 18278  
 <211> 473  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-G7  
 <400> 18278

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 aactcttcca cttctctctt tctacaaat ttctcgttcc tcccgacctc tctcgccgg 120  
 gaaattgtgt agcatttgtc tataaatggg ttggattct aaagaagctg atttgagggt 180  
 aataagaaga tgagaatcct gaagcaacac tgtgtgttac atgcgttttc agatttaacc 240  
 aaggtgtcnc nggtgggggc ctaaanccaa cccaagaatn gcaataacat ggnacctnaa 300  
 gggaacaaaa aaatttcaag ccttacngtt nccaagttca ancagttcca accaaataan 360  
 ctcaaccang aactggctac tttcnantaa taaatggccc actttaattc ccttaattgg 420  
 ggtanaaggg naaaggttta ntcanttagt tanatcaact ctttcgncgg ctt 473

<210> 18279  
 <211> 529  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-H3  
 <400> 18279

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 cagcgacgac aacagagggt acggatcgtg gattgtttga tttcttgggg aagaaggaat 180  
 aggaagtga acctcaagag acaacgacgc tcgagtctga gttcgatcat aaggctcaga 240  
 tctttgaacc ggagttagct gcggagcacg angaagtga ggagaacaag attactctgc 300

tagaggagct tcaagaaaag accgaggaag atgaggagaa caagcctagt gtcacgcgaaa 360  
 agcttcaccg atncaacagc tcttcttctt cttcgagcnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480  
 nnnnnnnnnn nnactcccan gacaccacga caagacagca agaggatga 529

<210> 18280  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-022-Q1-E1-H4  
 <400> 18280

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 cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 120  
 cgagaagacg acagaanggt acggctgcga taagacgaca gaanggtacg gctgcgagaa 180  
 gacgacagaa nggggactcn tgtttgttta ntgaagcgat caagtgcgag agatcagtc 240  
 aatagctttt tcattgttcc tcagatcgan gannaanaag aagagcttag caacaattgg 300  
 cggcgaaacc gattgcnagt ccgattccgg tggcgctgta ccgacttata gtgtcacctt 360  
 cnattgtctc tcatancgct atctctcatc atgaactaca tcatcaagna aaa 413

<210> 18281  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-020-Q1-E1-B2  
 <400> 18281

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 aatgaatatc aaaggctctca gatatcacac ttggagaaaa gtcttaagca ggccatctcg 120  
 aatcaggagg ataacagatt gagcaatgac aaccaaattcc gaaaattaaa ggacacagtt 180  
 gatgacctaa atcaaaaact taaaaattgt ttgagaacaa tcgagtccaa gagtgttgaa 240  
 cttttaaatc ttcaaactgc tctaggccag tattacgctg aaatcgaagc taaggagcat 300

tttgaacgaa gagcttgcca tggctaaaag acgaattgat gaagctttct gctcgtttga 360  
aaagattctg atnagccgtt agagtcacatca aataaagaan aggaagatgt cacatccaaa 420  
attattgcat gc 432

<210> 18282  
<211> 430  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-020-Q1-E1-C12  
<400> 18282

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gctgaacaaa ctgaagattt tgatccacag attttcttaa gaaatcaacc agaattagct 120  
gatgtggtat tcaattattt cccggatatg cagcagccta gggactctcc gaaaaggaag 180  
gcggtaaccc ttgttcttga tttggatgaa actctgggtcc attcgactct ggaagtctgt 240  
agagatacag acttttctctt cagagtcact ttcaatatgc aagagaacac tgtttacgtg 300  
aaacaaagac cataccttta taggttctta agagaggggtg gttgaacttt ttcattgttg 360  
catcttcacg gctagtcaca gcatctatgc gtctcagctt ctagatatat tggattcaga 420  
tnggaagttt 430

<210> 18283  
<211> 379  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-020-Q1-E1-C7  
<400> 18283

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actcttactt acttcctcgt aaagatcatt acatataatn aataatatat ttatgtttgt 120  
gttatattta ataacagtaa aaagttttta aacgttgaac aaattagccg acataganta 180  
caaaagaggg ttagcatcng ggggagaaac gtggaccaac atgatacacc ctccaaaata 240  
tccccagtt tgaacatnga catgttcgct ttttctttcc gtggtaactt ttttttcngt 300

gggtcacatt atttanaatt gtanncaagc agctatttta catggagatt cctgtcggta 360  
taccgcctca ttntcaac 379

<210> 18284  
<211> 504  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-020-Q1-E1-A4  
  
<400> 18284

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cgcccacgcg tccgtacggc tgcgagaaga cgacagtagg gggatggaga aaattatgga 120  
gtatctgcaa ttgagcgatg aggtggttga cgacggtgag gcaccgagag ttgaagaatt 180  
tttaggtgaa gggaaaagct tctacgagaa ttttagtctc agaggaatcc gagtcaaccg 240  
agtcgaaccg gggttcattt cctgctcttt caaggttcct cttcgtttga cggacagaga 300  
caagaattta gcaaattggtg cgactgcaaa tcttgtggat gaagttggtg gagcacttgt 360  
acatggcgaa ggcttaccta tgagtgtttc agtggacatg tctattgcat tcctttcaaa 420  
agctaagctt ggtgangagt tggagataac gtccanattg ttangagaga naggaggta 480  
taaaggaaca atccgttgta tcaa 504

<210> 18285  
<211> 508  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-020-Q1-E1-D1  
  
<400> 18285

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gacagaaggg tacggctgcy agaagacgac agaagggtac ggctgcgaga agacgacaga 180  
agggtagcgc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggga 240  
atctactgag ggttctatct atattaatcc ttctctgctt ctttcaatct aattgcaaat 300

caaatggatc gtcttaagct ttatttctcc gttttcggtt tgtctttctt tatcgtctcg 360  
 gtttcgtcgt ctgatgtcaa cgacggcgat gatctcgtga ttcgtcangt gggtggtgga 420  
 gccgaacccc aagtttttga cctcaganga tcacttttct ctccttcaag cggaanttc 480  
 nggaaagtct acgccttcca acgaggag 508

<210> 18286  
 <211> 503  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-020-Q1-E1-D10  
 <400> 18286

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 tgcaaaattc gaccgatagt gacgagaaa atcctaagat ggcgaccgca agcgagagtt 180  
 cttcatctaa gagatggctt ccacttgaat ctaaccaga tggtatgaat cagtatctct 240  
 ggggacttgg tcttgccctt gatgaagcag agtgcaatga tgtgtatggg ttagacgatg 300  
 aacttctaga gatggttcca aagcctgttc ttgctgttct cttcctttac ccaatcacca 360  
 aaaagagtga agaagagaga atcgaagcaa agacaaggaa attaaggaaa aggtgcatag 420  
 cgataaagtt tactttatga aacaaactgt tggtaatgcc ttgtggaacc attggtcctc 480  
 ctcaagctat tggggaaata tac 503

<210> 18287  
 <211> 450  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-020-Q1-E1-D9  
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 cctaanattc ttgcanaatt tatcgtcgtga caattanaaa atcgcgtttc ttttcgaaaa 180



ncaatgacan aagctattga attaactgan caggogaata cacanggaat tcaagtacaa 240  
attgcaggac gtatcgacgg aaaagaaatt gcacgtgttg aatggatcat agaaggcagn 300  
gttcctttac aaacaattga agctaanatt gattattgtt cctatacagt tcgaactatt 360  
tatgggggtt tacgaataaa natttgata ttcgtagacg aagaataana aaacttcctt 420  
aaccttaanc tttatccgac gattanacca 450

<210> 18288  
<211> 498  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-020-Q1-E1-E2  
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ctgcgagaag acgacagaag ggatganctg tgggtanaang gccaancccc atgtttcatt 180  
gcttgacta cactcntcga agggtttagg aaatcaggaa gaacagagaa agcgtcaggg 240  
tttatggaga agatgatgaa tgcaggaatt ctccccgata gtgtgacatt taacttgctt 300  
cttcgggatc tctgcagttc tgatcattct actgatgcaa acanattgat acttttggca 360  
tcaagcaaag gatatgaacc cngatgagac aacgtaccat gttttgggtt cngtggtcac 420  
gatagaangn anaccaaang agangagaaa ttctagttaa cgagatnttg gntaaanata 480  
tgttgcctga taccctta 498

<210> 18289  
<211> 426  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-020-Q1-E1-F10  
<400> 18289

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acctgcatga agaaatggag tttcagatga tattcgcga tttcaagtcc tcgaacattc 180  
 ttttggatga ggactggaaa gcaaagctct cagatttcgg tttggctcgt ttaggtccat 240  
 ctgaaggatt aacccatgtt tctactgatg ttgtaggtac aatgggttat gcagcacctg 300  
 aatacattca aaccggccgt ctcacatcga aaagcgatgt gtggggttat ggagtcttcc 360  
 tctatgagct tatcactggg angcgaccgg tgggacagaa acagacccaa gggagagcag 420  
 aatcct 426

<210> 18290  
 <211> 428  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-020-Q1-E1-F11

<400> 18290

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 ttatagcgac attcgttaga atagttgtcg gtttcttctt ggggatatct ttccctacac 180  
 tatcactaac aaaactaaat tttccctctg gcattcttcc ctctgttgat attacttacg 240  
 tagaagatga gacaccagaa acatcgagtg aaacgctttt gcatacatgg tcatctaggg 300  
 gtccgttaca tggggctaata tcaagtgatg caccgcattg gaaagatttg ggttccatcg 360  
 aatccccgan gtgcagagat gctgactcct ggtatcattg cacctgaatc angttactac 420  
 ttacgcag 428

<210> 18291  
 <211> 461  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-020-Q1-E1-F12

<400> 18291

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gtgaattcat ctctctaaaa cgagacccat ctcgccaat ttcactccga tgttccggtt 180  
ccacgacttt ggatactccg gcgaccggtt cgaccacaa gccctttccg gcggaggttt 240  
caaggagtat catggagctt tcactctgtt gaactctctc cactttgacc cacgacggtt 300  
ggcctctcgg cgtaggaggt cgcttcgccg ttgacaaaga tggcactcct gttctttgcc 360  
tcaatcgctc tgtctctcct gacaagaggt ctgctcttca tgttcagtta gaacaatgtg 420  
gattgangac tctcagtggt acgatacaag gtancattgg t 461

<210> 18292  
<211> 430  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-020-Q1-E1-F5  
<400> 18292

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tcggaaacca aatcacagaa aatgctctat tacctcaccg ctgttgtctt tggatatggtg 180  
gggttaactt acgctgctgt gccattgtat agaacattct gccaaagctac tggatatgga 240  
ggtactgttc aacgcaaaga gactgttgag gagaagattg ctaggcattc agaactctggt 300  
accgtcactg aaaggagat tgtggtgcag ttcaatgctg atgttgcaga tgggatgcag 360  
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cattttacac 430

<210> 18293  
<211> 486  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-020-Q1-E1-F8  
<400> 18293

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gcccgtcacc gcttaccgcg ccggacacgg tgcaccgtct gcataccctg ctctctccgc 180

gggtccttct tccggatatc caccacaagg acatgacggt aagcacgatg gtgtttatgg 240  
ataccgcgag catgctggat atccagctgg naccggtggt tatccgccac ctggtgcata 300  
cccacaacag ggaggttacc ctgtgatata cgcctcagca ncagggtgga tancggggtt 360  
atccgccaca ggttccatat ggttaccctg ancanngttt atccaccaca tgggtccatac 420  
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ngctgg 486

<210> 18294  
<211> 462  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-020-Q1-E1-F9  
<400> 18294

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ttgatggaaa caacaaacag tgtagtagtt tagtagaaag actgagagat aaaacgaaga 180  
gtcaagttcc taagtccatt acttgcatta accgcttaga gatatcgctg atagcaccat 240  
tacacgcaac gatgaatagc ccgaaaggat ttggacctcc tcctaagaaa accaagaagt 300  
cgaaaaagcc aaaacccgga aaccaaagnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccaacaga 420  
atgataagca agaatgggat ttacagtggg gttaccactc ct 462

<210> 18295  
<211> 459  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-020-Q1-E1-G11  
<400> 18295

gcgtccgtac ggccgcgaga agacgacaga aggggatggt tggaacttct tgaggactat 60  
ggatgttccg gttaacacat tgcatgcggc agggatatata tcgattggat gtgagccttg 120

cacgaaagcg gttttaccgg gtcagcacga gagagaaggg agatggtggt gggaagatgc 180  
 taaagccaag gaatgtggac ttcacaaagg gaatgtcaaa gaaaactccg atgatgctaa 240  
 agtgaatggg gaatcgaaat ccgctgttgc agatatcttt aagagtgaga atcttgtgac 300  
 tttgagcagg caggggattg agaatttgat gaagttggag aaccgtaaag agccttggat 360  
 cgctgtgctt taagctccgt ggggtgccct tttgtcaaac catggaaaca tcgtatgaan 420  
 aactggcnga taaattggct ggnaattgga ttaagggtg 459

<210> 18296  
 <211> 508  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-F12  
 <400> 18296

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 acagaagggt acngctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 120  
 gggggattga aagatgtcaa ggcttcttca gattctgttg ctttaactgc aaatttcatt 180  
 tttgtggcgc gtgattctaa gactggtaaa gctgctccta tcaaccgtct ttctcctgaa 240  
 accgaggttg agaaacttct ctttgaggaa gttgaagcta ggaataactt aaggaagaag 300  
 aagagaggag gtgacagaag ggaatttgat cacggggagt gtaagaagct tgaggcttgg 360  
 ttggctgaag gaangatttt ctctgacatg ccagctcttg ctgacagaaa cagcattctt 420  
 cctaaagaca ctgctccctg agaattcgct gatatgccaa ccgcaacaaa aggaacatcc 480  
 aaggtaagat ttttggangg gtttttaa 508

<210> 18297  
 <211> 465  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-F3  
 <400> 18297

gggtngcccc ccgctccgc ccaanaatcc gtacggctgc gaganaacga cagaaggga 60

aacaaaaaat ggctacccga aaagctctga tcaacgttca ccgcatcatt cgctccaccg 120  
ccgtgggttg ccggagctct atcattcctg ccgccgctaa ccggtcatat cctattatat 180  
tccggaatgg agttgatttg ggggcgagat tcttccgtga gaacactgcg tctgcccaga 240  
atttcgatat tgatctctct aacgaagaga ataagagaag aacgatnaac agattgttgt 300  
atangagcaa tcaanaagg gttttgggaa cttgatcntg ttttggggaa atgggttgag 360  
gagaatgta attccatggg cgaaaatngt gttaaataccc taaatcaagt ccncaatttg 420  
ggaaaacctg gnttccggga aatgggtaac tgaacagng caacc 465

<210> 18298  
<211> 503  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-019-Q1-E1-F10  
<400> 18298

gttncttgcc agcctacgga aggtattccg ggctgcccac gcgtccgtac anctgcgaga 60  
agacgacaga aggggataat tcgaaccctt caagattttc ttctctctat ctctctgttt 120  
ctctctgttt ctgagatggg ttgtttgga acgaagaaga tcgggaagta tgagatagga 180  
agaacaatcg gagaaggga tttcgcaaaa gtgaaacttg gttacgacac gaccaatggg 240  
acttacgtag ctgtcaaaat catagacaag gctttgggta ttcaaaaggg tcttgagtct 300  
caagtcaaga gagagatacg aacgatgaag cttcttaacc atcccaacat cgtccaaata 360  
cacgaagtga ttggaaccaa gacaaagatc tgtatagtta tggaatacgt ttcaagtggg 420  
cagctttcaa acagacttgg aagacaagaa aatgaaagaa tcagatgcta gaaaactttt 480  
ccaacaattg antgatgcgt tga 503

<210> 18299  
<211> 487  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-019-Q1-E1-F4  
<400> 18299

ggagnagacg ggtggccgcc gcgtccgtnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tggtgtagca gttgaagcag aaaataaaca 120  
 gagtaacgaa tccaacatca caaaacanna cacaactaa aaaatggctc tgaatagtgt 180  
 ctctctgaa gaatttacct tcccatcgct agcttctcat gattcttctc accattccgg 240  
 tcttgattca cctcctttgt ggaaacactc accggttact tcctttcgcc ggaaagatta 300  
 cgacttttgt ttggcaagat tagtcattgg aaaagacggt gatcatgac agaggaagag 360  
 cttctcgta gtggagatga gaagtcgttg gatcacgaca aagaananga gaaaatggnt 420  
 aagnttatgg gaaaattcaa cgaannaatt gtcceaagaa gtcaganttt gggaaattgt 480  
 catggng 487

<210> 18300  
 <211> 246  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-G10

<400> 18300  
 cagnctacg gaacgcacat cccggntcga cccacgcgtc ngcccaancg tccgtacggc 60  
 tgcgagaaga cgacagaagg ggattctgat gttgtcataa cttgtgtag gatttctctt 120  
 tcgttttatt aagctttaat tatcattctc cgttgtaaag taatcttatg aatctgtctt 180  
 cgaatcaaaa gttctggttg ttaatggctc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 gcggcc 246

<210> 18301  
 <211> 511  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-G12

<400> 18301  
 gtcttgcng cccaggccct nnnnaaaann atatcgggcc tngaccacg cgtcngccca 60  
 ancgtccgta cgggtgcgana agacgacaga aggggcacta gaaaaatgga caaaagatta 120

tggagtcttc aaggtatgac tgctcttggtg accggtgcag ccagcggaat cggttatgcc 180  
 atagtagaag agttagctgg ttttggagct aaaatccaca tatgtgacat atccaaaact 240  
 ttgctcaatc aaagtttaag cgaatgggaa aataaagggt ttcaagtgag tggttcagta 300  
 tgtgatgtaa cctctcatcc tgagagagaa aaactgatgc aaaccgtctc ctcgattttc 360  
 gatggcaaac tcaacattct tgtaaataac gtgggggtac ttcgcggaag gccacaaca 420  
 gaatatgtgg cagacgattt cacttttcat atatcaacta acttggaagc tgcntaacac 480  
 tttgtcaact ttcaatcctc cccttaaagg g 511

<210> 18302  
 <211> 421  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-G4  
 <400> 18302

aactctaaac cacactgaga tggcgaaatg gtggcgaggc ctgagatccg tgacggcgga 60  
 ggtggctgat cttccggctt cttcattcgg tcgatcgatt cgatgtattc atcagtatca 120  
 gacgatccag gcgattccac gtgaagctac gggtcgagga gtatcggctc gggatcggac 180  
 gattggtcgt attcccgccg tcgttttccc gcaatcgctt ctagatactg atgcttcgaa 240  
 gcgaggcgtg tcgaggaagc agctattgac ggcggataag aagcagatca agtctattat 300  
 tgactctgtt ggtctcccat tcttctgttc taccactttc cagcttcaga tccgagctgg 360  
 tcanggttcg tcgacgcttg ttgaatccgg tcnagtactt ccctcaaggg tcatanagac 420  
 a 421

<210> 18303  
 <211> 493  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-G7  
 <400> 18303

ccggtntctc tttccggggc ngccccacgc gtccataaag ctgcgagaag acgacannag 60



ggggaggttt gtttgtgaan cgtgtgaagg aaatgatttc aatggaggag aaggacacat 120  
 acggcaaaag aaagactggt cctctgattc cggctaacta catcagcatc cttcagctcc 180  
 aggagcgttg gctcaatgag aaagannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna gcggaggagg 300  
 agaagcgtat gaatcgaagt aatcggaagc attttgggag aaaaaaggaa tctatagacg 360  
 gcggagaagc acgattcggt gagaaggaga aaccggaagt cacggtggcg atnganagcg 420  
 gtggaggtga anatgcngcg gatggattac cgaananaag aagaagaana ttaaggaacc 480  
 ttggaggaac nat 493

<210> 18304  
 <211> 500  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-H1  
 <400> 18304

antcccggtc cgagntatcg ggtggcccac gcgtccggca anaagacgac agaaggggga 60  
 gaaaggcaat ggagtcggct aaatcaatca tcggtggcca ccaaaatgtc atcctgatgc 120  
 gtcattggtga tcgactcgac aatttcgagc cactctggac ttcaacagct gcgagaccgt 180  
 gggatccacc gcttgcctca gacggtaagg atcgggcctt tagaactggt cagagaatcc 240  
 ggtctcaact tgggggttccg attcaccgtg tcttcgtctc ccctttctct cgtgcaccc 300  
 agaccgcttc cgaagtcggt gccgcctct cagccgtcga ttctgatccc attgctatgt 360  
 catctaaaga cgtgctttcc atcgacaata ctaaagatna aagtgggcta ttgaantttg 420  
 gattgtccga nataacgcaa ccaatcctta ataanaatnn aatttcccc aaagatnggn 480  
 aaatttgntt ccaagattta 500

<210> 18305  
 <211> 520  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-H10

<400> 18305

gaactggtct gctcgccctg gntctaccgg aaccggatat cnggcccggg ccnnnnnta 60  
aatnaaaatg cgagaagacn acantagggg atctctcttt gttcgctttg tggggaacga 120  
actatggccg agagatggag gaacacggct ctactcgtca tcgacatgca gaacgatttc 180  
atagaggaag gtgctgtgac gcaagtgaag ggaggaaaat ctatagttcc taatgttata 240  
agagtcgtcg aactcgcgag gcagcgtggt attctcgtaa tttgggttgt tcgaagaaca 300  
tgatcgtcaa ggaagagatg ttgaattatt caggcgccat aactacagtt ctgagaaagt 360  
cgggccagtt attaaaggca ccgtnaggag cagaattggt tgatggattg atgatnaacg 420  
aagaanatga ctataagatt gtgaaaactc gtttcaatgc nttcntaat accaatcttc 480  
atcccttcnt gcaaacttca aggggttacc aaatttatga 520

<210> 18306

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-019-Q1-E1-H2

<400> 18306

gttttgcttt ctcgaaatca tgatggtttg tcttggaat gtttgattc ttcagattgt 60  
gaggaacaa cttgtttggg aattataatt tgcgagaatt ccgaaactga gatcagattc 120  
tctgatattt atgctgtgga gtttgtagc tatggcttgg tgcatagtcc aaagtttaga 180  
cttagacatg ccaaagaatg tttccgggaa cgcttgtaa atactcaaga gatgtatcgg 240  
ttcactgtcc acggatttca aagttcacca aaagagcctt gtctttgaaa ccttgctgca 300  
ttcacttttg gacatatgga ttgcagacg tnccaaaatt ggtggatnaa tttaattacc 360  
cttgatnaaa gaggttnaaa gncaanaaat cnttgaatt gtcaaccaa antggaaagg 420

<210> 18307

<211> 459

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-019-Q1-E1-H3

<400> 18307

cccgcgtccg ccnaagagtc cgcccacgcg tcngtacggc tgcgagaaga cgacagaang 60

gggagtagca tagtcagcca cgcgtacggt tcatgtgtac ttttgggagg aaggatcttg 120

ccacgtccgc cgggataatc agctctgtta cgtcggcggc gataatcgca tggtcgctgt 180

tcatcgtcac actactttcg cccctctcct tagtaaaactt gctaagctct ccggtaaaag 240

caacataagc gtgaagtacc agctaccaa cgaagatctt gacgcgttga tttccgtatc 300

aacggacgaa gatgtagaag aacatgatgg acgaatacga ccgcgtcgca caagaatcaa 360

aaccangcgc ctctctcct cgccttttc cccttnacaa aaaacntenc cggggaaana 420

agttaccaat nntcaancta caatntcaag tctctcccc 459

<210> 18308

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-019-Q1-E1-H8

<400> 18308

ccggccggcc cangcgtcca tgaagctgcg agagacnnch gaaggggatt tctgaaatta 60

agtgaatctg aaggtgaaag caaagccgga ggaagaaata agaatcacag aggtaaaatt 120

gtgatggagc tcgaagatcc aacaatggca gattccacga ttaagctaac agtcaaattc 180

ggaggcaaat caataccact ttcggtatca ccaagattgt acagtcaaag atcttaagtc 240

tcagttacaa ccaatcanca acgttcttcc tcgtgggcag aagctcatct tcaaaagggt 300

ttgggttgaa acgtcgactt tgaaacaatc tgatgttggg aagtggagct aaaccaagg 360

ttaatggctt ctcaaggtct gcatcaaggg ggaaggtcca atacttaagg aanct 415

<210> 18309

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-019-Q1-E1-H9

<400> 18309

tttttttttt tttggagtta gaatgctatg aattccaaac cagagaaanac tcaaataaaa 60  
 cagagactaa aaaggctggt caaacagtaa taattcttgc acatgaacac taaaccagaa 120  
 cgatnacagg aaacaaagat acagtcagta cttagtagtt tgagggcacc tacggaaagc 180  
 aagtaatact acagagggta gacgttccag tgcttaatga tgaaacatca tcagtacaag 240  
 caaacgtggt tttcatcata caccgtatca ctttcacaan tggctgcant cattccgcan 300  
 cataagggag atttgacttc gagaaanaag catcaacttt gcgcaaaang ancccgggct 360  
 accaagaaat gggggaactc tcaatgcnac gccnttcang ngacatctcc ttataaangn 420  
 gaaggcnttt gcaaagcaag 440

<210> 18310  
 <211> 430  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-020-Q1-E1-A1  
 <400> 18310

gaaggggagg acaagaagaa ttcaattttc attgtcagtg gaagaggag ggaaagtta 60  
 agcaggtggt tctactccgtg caaaaaaatt ggaattgagg cagagcatgg atacttctta 120  
 aagtggtcag gcagtgaaga atgggagaca tgtgggcaga gctctgattt tgggtggatg 180  
 cagatcgtgg aacctgtaat gaagcagtag actgaatcga ctgatggctc ttccattgaa 240  
 atcaaagaga gcgctttggt ttggcaatat cgggatgagg atccaaggct ttggttcttt 300  
 acaagcgaag ggaaatgcta gagcaattta gagaagtgtt cctagcctaa ttgagccagt 360  
 ggcaagtcaa aaagccggtc actacatagt agaaagtcaa gcccgaagg agtgagcaaa 420  
 aggattcgnt 430

<210> 18311  
 <211> 482  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-A8  
 <400> 18311

ttcccgggcn gccccacgcg tccataaaag ctgcgagaag acgacannag ggggcaccca 60  
 acgacaaaagg gaacacgtaa aaggaactac aggatacctt cgaaagccga aggaaaccgt 120  
 ttgcttaaaa ccattgcgtc tcttctctca gatgatgatc attttagana tgcaacatct 180  
 cacaaggggtt gtcaaatacg gaggganagt gcgcacggtc aaagcgtatg ttgcaacaat 240  
 gtgagagctc tgtttgatga gttaccgacg ccacatttgg tgggtggagat cacacctttt 300  
 ccagccggac cgctcacaga gaatgattac cttaaggctg agaagctgga gangattctt 360  
 aggtctggcg ccaacatttg aaccctcttg gcagtgtttt actatgtgtc aaaatctana 420  
 acctgttcat actctacgat gtcttaggat gcagaatgtt caaatgttta aacnctagga 480  
 ac 482

<210> 18312  
 <211> 478  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-B2

<400> 18312  
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 agggggaaat tgtttcactt ctgaaaaaaaa aaaaaaaaaa ttgtttgctc atcatcttca 120  
 caaaccaaac ttctcttctt ctccgatctc agatttgaat ttttatcgat tttgagcttc 180  
 gaagagctca atctctaact gaatttcgag aaattagaga gtttgaaatg ggagaggaag 240  
 taaaatgag cgattacgat gtttccggcg acggagatag ggtttctgaa tgggagatgg 300  
 gattaccaag cgacgaagat ctagcatctc tttcttactc tctgattcca ccgaatttgg 360  
 cgatggcggt tagtatcaca ccggagagaa actgtacgat tcaaggatgt taatcctgca 420  
 tcgggngaac aaagctctcg tcgctaantt ggggggtttt caaggnccaa ataactcc 478

<210> 18313  
 <211> 487  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-B3

<400> 18313

cggtccggaa tcattcgggt ngccgcncgc gtccgtaaag cancgagaag acgacagnag 60

gggtagagaa tggtgacact cgtgaagctt gtagatgcat cagggagtta ggtgtctcgt 120

ttttccatca cgagatcgtg aagagtgggt tggttctagt gatggagtcc cgaacatccg 180

agccgctgat actaaaattg ttgaaagaag ctacagaaga aggtctcatt agttcgagtc 240

aaatggcgaa agggttctcc cgagtagcag atagtcttga tgatctttct cttgacatcc 300

catctgctaa aactctgttt gagtcaatag ttccaaggc tataatagga ggttggctcg 360

acgaagattc gtttaaagaa cgctctgatn aaaatggggg caacgaaaat ctaaagnggt 420

tnaanaangg tncanagacc ataantcaaa gaatttccc ttctgatgat atcccnagct 480

aatccgc 487

<210> 18314

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-019-Q1-E1-A7

<400> 18314

gaaacagagt ttccctgagc tacatttaac gaaagaagat tgtatgggtca agaatggat 60

cgaatctagt gttttctggg cgaattatcc agaaaaagca ccgatagagt tacttcttaa 120

aagagtatca accaacgaat actactggaa acgtacttca gattttgttc aagcaccaat 180

ctcaaaacag ggtcttgcaa agatttttca agcaatgatt gatcattcgc cacttccacg 240

acgagtttgg atgcaatgga atccatgggg agggaaaatg gctgagatag cgtctgatgc 300

gacggcgttt gtgcatagag gtggaatgt ttctcatgatt gagcatttca tgaattggta 360

tagacctgga gatgagcttg aagagaantc ctggngaattg caanaaattt taaagaaact 420

atgg 424

<210> 18315

<211> 528

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-019-Q1-E1-C4

<400> 18315

ntggnagtgt cctctaggan ggtccgggtc cggngggnac ggggtggnccg gccgcgtccg 60  
taaaagcanc gagaagacga cagaaggggg atttgagaaa aagaagagat gacgacgata 120  
cgtagattca agctgcaatg accttctccg attcacttcc gtgaatctgg accacctcac 180  
tгнаacattc aatatgtcct tctacatgac ctatttagcg agatggcctg actattttca 240  
tgttgctgaa ggtcccggca atcgtgtcat gggttatatt atgggtaaag ttgaaggaca 300  
gggtgaatct tggcatggtc atgtgacagc cgtcactgtc tctccagaat accgcaggca 360  
gcaacttgca aagaaactga tgaaccttct ggaagatata agtgataaga ttgataaaaag 420  
cctactttgt gggatctttt gtaagaacnt tcaacacacc aaccatcaag attntgaaaa 480  
agccttgggg acatnattta aaaggcnggn ttttacgccca attaatca 528

<210> 18316  
<211> 476  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-019-Q1-E1-D10

<400> 18316

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acgacagnag ggggcgtcgt cttcaacgat gctctcaacg gtgacggcga cggcggtttc 120  
tcgaccgatt ctgaagggtg aatgtacaat caaaaggacg tttaaagtga cggcggagaa 180  
gtttccgacg tttctgccga ccgatgtcga gaaaattaaa gacacgtttg ctctaaagct 240  
cgccgccaga atagagaggc ttctgtatc tgtgagcttc agggaagata gtattatgag 300  
cagttgcgtg acaccgctga tgcggaacga gacaactcct gttgtgcttt ttcacggatt 360  
tgatagttct tgttttagagt ggagatacac ttatccgttg cttgaagaaa ccggtttaaa 420  
aacatgggca tttgatatcc ttggttgggg tttttctgat ttanacaaac tttcac 476

<210> 18317  
<211> 409  
<212> DNA

<213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-D11

<400> 18317  
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 caaaaaccgc aacgaatgat gaatctgtct gcaccatgtt cggatctcgc tatgttcgca 120  
 ctacacttcc caagtatgag attggtgaga actcgatacc gaaagacgct gcgtatcaga 180  
 tcataaaaaga tgagctgatg cttgatggta acctaaggct taacctagct tcttttgtga 240  
 ctacatggat ggaaccagag tgtgacaaac tcatcatgga ctctatcaat aagaactacg 300  
 ttgatatgga tgagtaacct gtcacaactg anctccaaaa acnatgtgtt aaaattntaa 360  
 cncnaangtt naangngccn aaccaaggaa ccctnaaagg ggttggaat 409

<210> 18318  
 <211> 478  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-019-Q1-E1-D3

<400> 18318  
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 ttcagagaag atcgtttact ctttcctcaa tttcgaacaa agttttcgaa ttttccaact 120  
 ctctctagtg aatttagggt tctgatttcg acattagtgt aaagatttgt tttttatccg 180  
 aggggtgcga ttgtgtagtc aaaccangat naaatgtcgg catcaacggt gtcgatcacc 240  
 gctaatacgg cggcagcgac tagacggacg ccgattcttg ccggagagaa aaaatcaaac 300  
 tttganttac cctcaaagcg aatcgcttgc gaacggtggt gttggggaaa ccggtggtac 360  
 gagtagaaga tntgaagccg cggtgaaacc tacccttgat tcatttcang ggacaagaat 420  
 ttgggtcccg gtgacaanaa aggctgttt cgcgtgcgac gggggactaa ttncaacc 478

<210> 18319  
 <211> 431  
 <212> DNA  
 <213> Arabidopsis thaliana



<223> unsure at all n locations  
<223> Clone ID: LIB35-019-Q1-E1-D4

<400> 18319

agggaaagat aatcgtttgt ctgtgcagag agagagagag aaaatgaggt tgttcgatcc 60  
atggccagtg ttcttcaaga gagaatggaa acgttgctgg ccattcctca cgggtttcgc 120  
cgtcaccggc gttctcatca ccaagctaac cgccggactc actgaggaag atgctaagaa 180  
ctccaagttc gtccagcaac acagaaggtg attcactgaa gcaaaatgta gaagctgaca 240  
aggcatatag atttgggact atagtgaatg cttcagcttt gaaacatggt caataacaaa 300  
gaagatcatt ctatatactc ttttattttc tctgagtttc gaaatcagct tttccttttc 360  
tgaaacttaa caatggnatg gttttgttca cagtatccta atcccanttg ttgggaatgg 420  
gttttanggc c 431

<210> 18320

<211> 424

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-019-Q1-E1-D7

<400> 18320

tgagaaaaaa cacagagaaa gagagagaaa caatggaaac ggaaggaaga agacgagaag 60  
tggttgtttc atctctccaa ttcgcttgct ccgacgatat ctccaccaat gtcgccgccg 120  
ctgagcgatt agtcagagaa gtcacgcta aaggagctaa tatcattctt attcaggaat 180  
tttttgaagg atattacttc tgtcaagcac aaagagaaga cttctttaag cgagccaagc 240  
cttacaagaa ccgtcctacc attgcaagga tgcagaagct ggcaaaggaa ttgggtgtag 300  
tgatacctgt tagtttcttt gaggaggcaa atactgcaca ttacaattcg attgctataa 360  
ttgatgctga tggaactgac ttgggaatth ataggaagtc catattcctg atggacctgg 420  
ttat 424

<210> 18321

<211> 403

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-019-Q1-E1-D9

<400> 18321

tctcactttg ttcactctaaa aactcctcct ttcattttcca aacaaaaact tcttttttatt 60  
ctcacatctt aaagatctct ctcatggcga tgtctttctc aggagctggt ctcactggta 120  
tggcttcttc tttccacagc ggagccaagc agagcagctt cggcgctgtc agagtcggcc 180  
agaaaactca gttcgtcgtc gtttctcaac gcaagaagtc gttgatctac gccgctaaag 240  
gtgacggcaa catcctcgat gacctcaacg aggccacaaa gaaagcttca gatttcgtga 300  
cggataaaac aaaagaggca ttancagatg gtgagaaagc gaaagactac gttgttnaaa 360  
aaaacantna aaccgcanat acattgggta aagaaactgn gaa 403

<210> 18322

<211> 488

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-019-Q1-E1-E10

<400> 18322

nacgggtccgg tcttccgggt cgncccacgc gtccgcccaa acgtccgtac ggctgcgatg 60  
aacgacagaa ggggggtggta ttcaacaaat ttgtctcgaa tttatagagc tcgaagcttc 120  
aaggaagtta taatggctag tgaagatgaa tcgattgaac aaaaagctgc tgctcgtaaa 180  
gaggcactta aagctctaag ggcagctcag gaactgtctg agaccaagga agacggagag 240  
gatgaagctg tcgaagaaga tgggtccagcc atgaagtta gaaactatgt tccccaagct 300  
aaggagcttc aggatggtaa actagcgcca ccaaaagcta cccaaattcn aagattcgat 360  
ngttgcactt ncaactgccg tntaaaaaaa aganggnccc tttttttaca tcgctcccaa 420  
naaacccaan tgggaacccc nananatttt cnaaaaaaac ttntnaaccc ccaaaggggg 480  
ntccaaaa 488

<210> 18323

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-019-Q1-E1-E12

<400> 18323

anaanacgac agaaggggtac ngctgcgaga agacgacana anggtacggc tgcgagaaga 60  
cgacagaagg gtacggctgc gagaagacga cagaaggata cggctgcgag aagacgacag 120  
aaggggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaaggggt 180  
acggctgcca gaagacgaca gaaggatacg gctgcgagaa gacgacagaa nggtacggct 240  
gcgagaagac nacagaangg tacggctgcn agaagacnac agaanggtac ggctgcgana 300  
agacgacaga aggggtacag agtcaattna agaaaccgan agagagantn agcggaatca 360  
tgacttctcc gggaaaatct ccgagattcg accggaaatc anccacgggt gtcaccgtca 420  
accgtctt 428

<210> 18324

<211> 461

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-019-Q1-E1-E4

<400> 18324

ctnccagggtg ggtcgtgtcc gcaggantcg ggtggccngc cgcgtccgag aaaaaaacga 60  
cagaagggga tggttttgtg acttgtgtgc gagttttag aagctttac a 120  
tgccgttgcc gatgcagtct ctcttctctt gtttctgatt cctgaatana tttgttaaac 180  
gatggagaag atcgttcgtt cttcttctct gattctactt gttggcctcc ttctttttat 240  
gaattttcac ggatttgtcc ggatcgccga agcaacgaag cgacggatcg agatctccga 300  
tgacctanac gacgttgaag acaatgaaga agacgagtca tggaaagagt gggggaagaa 360  
agcaacgacc ccggaatttg ntctgcctcc ggatttcacc aatntgggat cgattagntc 420  
angnggaaat gggntaaacg gtttttggaa cgtcncgggt c 461

<210> 18325

<211> 553

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-D12

<400> 18325

aantggtttg ctttggccct ggcccgatcg ggaaaatcca aagggtcgnc ccacgccgtc 60  
cgaagaagac gacaagaagg gggccaaggc cctccgatgg aagttaggag gggcnnggc 120  
ggggtccgct ggcaaaaacc taaggcgcn gagccgggc nggagcgggc cgtcngggtg 180  
caagattctt ggtggttaagt nagcaaatat tcanatattc aaaactctca agacatactc 240  
aggatgatgat tctgtgatag taggggaatg gagattttct gccatcact catattgggt 300  
actatccctc tgaacatttc tcaaggacaa acgaacacaa caactcctca cacaaggaaa 360  
caagcataaa ggtctctacg tgttgaagga tgtccggtt caaacttatt actctaccag 420  
gcaacaatct agtgatgatg aagtgtggca tcagagattg ggtcacccta ataaagaagt 480  
tctacaacac cttatcaaaa ctaaagctat tgtagtcaat aaaacaagct ccaatatgtg 540  
tgaggcttgt caa 553

<210> 18326

<211> 525

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-D3

<400> 18326

atggtctctc ncccagcccc ggaaatccga atcgaccac gcccgtacg gntgcgaaaa 60  
gacgacagaa gggtagcggt gcgagaagac gacagaaggg tacngctgag anaagacgac 120  
agaagggtac ggctgcgaga agcgacanaa nggtacggct gcgagaagac gacagaaggg 180  
tacggtgagc agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagcgc 240  
tgcgagaaga cgacagaagg gtacggctgc gagaagacna cagaagggtc cggctgagag 300  
aagacgacag aagggtacgg ctgagagaag acgacagaag gatacggctg cgagaagacg 360  
acagaagggt acggctgcca agaagacnac agaagggtac ggctgcnaga agacgacaga 420  
agggtacggc tgcgagaaga cnacagaagg gggccctaa tgaactggtt aagctgatag 480  
agatactaaa ccctcaanac aanccctgga aggattacgg ttata 525

<210> 18327  
<211> 495  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-017-Q1-E1-D9

<400> 18327

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agaagacgac agaaggggga actcctttca tacgttttct ctctactctc atcgcttttc 120  
ttatctctct cggagctctt ccgtcgtcca ccattgatta cgggagtgtg ttgagctaaa 180  
tatggctata atacaacttg gaagtacatg tgttgctcaa tggagtattc gtcctcaatt 240  
tgcagtcaga gcttattatc ccagcagaat cgaatcaact caccatcaaa attccagtag 300  
ccaagtaa at tgtttgggag cttcaaagtc gagtatgttc tcacatgggt cattgccctt 360  
cttgtccatg acgggaatgt ccaagaaata tgcctcctcc tcgcagagga tctcgcttca 420  
ctggttagagc tgatgcagat tactattcgg tactcggagt ttcgaaaaat gcaaccaaag 480  
ctgagattaa aagcg 495

<210> 18328  
<211> 529  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-017-Q1-E1-D1

<400> 18328

aactggtttt ggtccctctg gntctaccgn annccnanat cgagcccacg gnccccgaca 60  
tnaacgggaa aggnancnna aagtgagcgt gttgatgcat aacgaacgat gccattttcc 120  
gcatcaatct catcgcttcc ttcttctgtc gcgcttcttc gatcgctctc ctctttcttc 180  
atcttctctc ccaaaaccct aatcttcacc agaaccagga tctctgggtt cccttatctt 240  
gcttcccggc gatcccgcca tttcatcaac gggagggatg atttcgctga cgatacgagg 300  
agctggaacc ggaagatcaa accggagtat gggttcnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctgttactta gattttaga 420  
aaatgttttc aaganagatt tctaagaaga gcaaggaaag ctgtccgatn aattttgcct 480

gtttcgatct cctacgaaac tcgtgggggt tcagtgaatg ggagttcnt

529

<210> 18329  
<211> 533  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-017-Q1-E1-E2  
  
<400> 18329

aactggtttc cgttcccacg ccccggaat cccgaatcga cccacgcgnc cgtacggatg 60  
cgaaaagacg acggaagggg acggctgcga gaagacgaca naagggtagc gctgcgagaa 120  
gacgacagaa gggtagcggt gcgagaagac gacagaaggg tacggctgcg agaagacgac 180  
agaaggggga agccagaggt ttcagatata gtaatcttca aggctcctcc aattttgctg 240  
gaatatccgg aatatggcta cagttccaat gatgtattca taaaaaggat antggcaagt 300  
gaaggtgact ggggtgaant tcgtgatggg aagctctttg tgaatgacat tgtgcaagaa 360  
gaagattttg tcttagaacc aatgtcatgt gaaatggnac caatgtttgt cccaaaagggt 420  
tatgtccttg tcctgggtga taaccgcanc aaaagccttg actcccataa ctgggggtcca 480  
cttcaataga anacatcttg gnaanatcgg gntccgtact ggcaacgagc aag 533

<210> 18330  
<211> 441  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-017-Q1-E1-E5  
  
<400> 18330

ccctgagata gagataagag aatttcgaga gattcgagag aagagacgat gggtttccaa 60  
gatctcgaag ctgggtactcg atctccggcg ccgaatcggt ttaccgggtgg gagacaacag 120  
agactttcgt ctctgtggga tccatctcag gaggtcgccg ccgggatttt caggatcagc 180  
acggctgtca attccttctt ccgcctcgtt aattcgatcg gaacacctaa agatactctt 240  
gaattacgag ataagctgca aaagacaagg ttacagatat ccgaattggg gaagaatact 300  
tcagctaaac ttaaggaagc tagcgaagcc gaccttcatg gatcagctag tcaaattaag 360

angatagctg atgctaaact ggcaaaaaga ttccaatcag ttctcaanga gtttcagaaa 420  
agctcaanag acttgcagct g 441

<210> 18331  
<211> 416  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-017-Q1-E1-E7  
  
<400> 18331

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggg acggctgcga 60  
gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac 120  
gacagaaggg tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga 180  
aggggtcggg tggaagggga aaagatcaat ttctctctct tctctctctt caattattca 240  
gagagagaaa cacgatcttt gtttctccat ccggtttggt tactaagttt tgtctctggg 300  
atggttcaac tttgtctccg gcgaagtccg gctttgtttc ggctatctgt tgccgctttt 360  
tgttttttcc gttgaataaa ttatgcgatc tatgttagtg ttgtggggtt angtga 416

<210> 18332  
<211> 460  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-017-Q1-E1-E9  
  
<400> 18332

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gatgcgagaa gacgacagaa ggatacggct gcgagaagac gacagaagga tacggctgcg 120  
gaagacgaca gaaggatacg gctgcgagaa gacgacagaa ggggtacggct gcgcgaagac 180  
gacagaaggg tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga 240  
aggatacggc tgcgagaaga cgacagaagg atacggctgc gagaagacga cagaagaata 300  
cggctgcgag aagacgacag aaggatacgg ctgcgagaag acgacagaag gatacggctg 360  
cgagaagacg acagaaggat acggctgcga gaagacgaca gaaggatacg gctgcgagaa 420

gacgacagaa gggtagcggt gcgagaagac gacagaaggg

460

<210> 18333  
<211> 510  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-017-Q1-E1-F3

<400> 18333

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ggctgcgaga agacgacaga aggggggatt accttggaac ttgatatgca atgggatgga 120  
aacccaaata tagtacttgg cgtcaagacc ttagttggtg tatccctccc cattcaggtg 180  
aaaaacatcg gattcactgg tgttttcagg ctaattttta ggccactagt tgaggacttt 240  
ctctgctttg gagctgtcag cgtttctctt agagaaaaga aaaaattgga cttcaccctt 300  
agggttggtg gaggtgatat ttcagcaatt cctggacttt ctgaagctat tgaggaaaca 360  
attcgggatg ccgtggaaga ttctatcaca tggcctgttc ggaagggtcat cccaattata 420  
cctggtgatt atagcgatct ggagctaaag cctggttgaa tgttagaagt gaaacctgtg 480  
caagcaaaag aacttgacca acaaaagatn 510

<210> 18334  
<211> 504  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-017-Q1-E1-G1

<400> 18334

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cncaaaaagt aacaatttga attacttccg caaatctaaa ataatatcta gtgaancgaa 120  
tatgtgtttc ttgataatc ggtgcgatca gaatctgacg gtggtggtgg atgtggcgtg 180  
gtggatggag gctgttcctc nacaaatcan ttctccggcg aagccatcgg tttctccgan 240  
tcttgagacg attttanaag gcggatagac cgaagaagac aatcaagaac aagaaaacga 300  
tgacgtgtaa attgtaatga tcattttgtt actcggctctt gggtttaaga tanactcatg 360



ttgttgttgt tgttttttcc ataactgtat aanatgagat tttgtattgg aatcttttgt 420  
 acantcaaat ctacagttcat tgtganattt caatcancnt tcacatccgt ggtacgctcg 480  
 gtgatctgtt gttaaaanct cacg 504

<210> 18335  
 <211> 514  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-017-Q1-E1-G3  
 <400> 18335

cgcccccggn aaatcccgaa tcggggccacg cgnccgcca cacgtccgta cggctgcgag 60  
 acgacagaag ggggaaagaa aaaannaana aaaaaaaaag acttctcctc aaaaatggcg 120  
 ttacactag gtggaagagc tcgtcgtcta gtctctgcaa catcagttca tcaaaatggc 180  
 tgcttacaca aactgcaaca aattggatcg gatcggtttc agcttggtga agcaaaagca 240  
 ataagattac taccaggag aacaaacatg gttcaagaat taggaatcag ggaagaattt 300  
 atggatctaa acagagaaac agagacaagt tatgattttc tggatgaaat gagacacaga 360  
 tttctgaaat tcaagagaca aaagtatcta ccggagatag aaaagtttaa agctttggnc 420  
 atagctcaat caccaanagg taatggtgat aggatgtncg gattcaaggg tatgtccatc 480  
 ttaggtccan gattcaacct ggtgaaactt ttac 514

<210> 18336  
 <211> 502  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-017-Q1-E1-G9  
 <400> 18336

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 cgcccacgcg tccgtacggc tgcgagaaga cgacagaagg gatcaaagat cttttttttt 120  
 ctcaattatt gtgataatga attcgatgtt tagtgccttc gacgccatgt gtgcagagat 180  
 tatgggannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntt gctcttgagc tcgatgggtct 360  
 tcattgcttc gaagactata agttcgttcc ttgatcaata tcaaagatta ccaaattttt 420  
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 acaatttttg gaagaattaa nt 502

<210> 18337  
 <211> 510  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-017-Q1-E1-H10  
 <400> 18337

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 agaaggggaag tcgataaaga aaaggacact acaaggcaag attcatgac aaactgggag 120  
 ggagaagaaa aacaanaaag acgcgtgaac atcaaaatca ccgtctccat cattctgata 180  
 atcctgctga tgatgacggt gggcaatcat cagaaggata aaaatggaaa caaaggcaga 240  
 gttgtaggac aaggaagacg acagaatcat caaggcggca acggcattgg acatggaaca 300  
 gcttcatcat cttctcatcc taattatcat cctgttgagg tctcaaagcg tccacctggc 360  
 ccgagaatgc ctgatgggac gagagggttc acaatggggc gtggtaaagc gattcctcct 420  
 cccacatcta ctcaaaccag tcatgaagtt tgatcggtcc gcacntcgt tgtatcattg 480  
 tgtgggttta attcacatta aaaaatgtga 510

<210> 18338  
 <211> 433  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-017-Q1-E1-A7  
 <400> 18338

agagcgataa agagatgggt ggagaagaga gatcaggaga tggagaaaaa agaggggaag 60  
 aagtagttga tgctggttct ctcttcgtcc ttaaatacaa aggacatgg tggcactgag 120

gattccactt gacgacgtct atagtggcgc ctgcgctact gagtctaccg tacgccttca 180  
 agttcttagg atgggctgcc gggatatctt gtctggtcgg aggagcagcc gttactttct 240  
 actcgtacac ttttctttct ctactctcg aacaccacgc ttctctcggc aaccgttacc 300  
 tccgcttccg tgacatggct catcacatcc tcagtaattc tttttccttt tacatttgcn -360  
 ctttcctata nncaaagccn gcgacaaatt taccttaaga gaanttcaat cangattgag 420  
 atgtgangtt gtc 433

<210> 18339  
 <211> 431  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-017-Q1-E1-A9

<400> 18339

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 caggagaggt accctggata tccgcctcag caacaggggtg gataccggg ttatccgcca 180  
 cagggtccat atggttacc gcaacaaggt tatccaccac aggggtccata cggttaccog 240  
 caacagcaag ctcatggtaa accgcagaaa ccgaagaagc atggttaagn tgganctgga 300  
 atgggactaa ggacttgggc ttggagctgg tttaatgggt gggttgttgg gttgggtgaaa 360  
 ccgtttctga catcgctgat atgggtgaca ttggtgacat gggttacatg ggtgggttcc 420  
 aattcngaatt g 431

<210> 18340  
 <211> 507  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-017-Q1-E1-B1

<400> 18340

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 ccacgcgtcc gtacgtgcg aagacgacag aaggggcctg aggaaagaaa aggagctcca 120

aagggtgaa cgcgagagac ggaaacagca agaagccan gagcgagaag ctcaggctgc 180  
 actcaatgac ggagaagtga ttagcatcca ctcaacaagc gagctagaag caaagacaaa 240  
 ngctgctaag aaggcatcac gtctgctcat cctttacttc acagccacat ggtgtggggc 300  
 atgccgatat atgtctcttc tgtactcaaa cctggccaca cagcactcga gagtcgtttt 360  
 cttgaaagtt gatatagaca aggccaatga cgtggctgct tctggaacat tagcagcgtc 420  
 ccgacctttt gcttcatcaa gagatggcaa agaggtggac aaaagttgtc ggagctgata 480  
 aanggtcgtc tgancagaag attgcac 507

<210> 18341  
 <211> 541  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-017-Q1-E1-A2  
 <400> 18341

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 ctgcgagaag atgcgagaag acgacagaag ggggagaaaag ataaaaacag aaaaagataa 120  
 ggaacttgca nagaaagcaa aaaagaaaga agaagcgaag aagagaaact aagattcaga 180  
 tggtttccca gacaaatcaa accgtggtgg ataccaagaa aatcgaaacc gagaacccgc 240  
 caaaaccgca agtgcttgca tcatcatgca ggaagagggt gaaggatgat aacgccactt 300  
 tctttgcaaa cctcaaggat cacatggatg aattcataca tgcctcaatg gatgaacaca 360  
 agacttgttt caaaaacacc atggacaaag atattccggg agcttctcca aggcggaggc 420  
 agttgcagag aagcaaantt gaggctaagg gaattggtcn aagattcact ctctctntca 480  
 gacagcantt gactaagtta gagatttttc acaaccttgt gagctcanga aattaatcat 540  
 g 541

<210> 18342  
 <211> 373  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-017-Q1-E1-B12

<400> 18342

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aatctactat atggtgggta gaagtacttc catcggcact agtcctcttc attctccgaa 120

agctacctcc aaagagagta tcagctcaat accatccgat ccagtagaaa cctttgtcac 180

tgaaccatct cacacggtga gtatgatgct gtttaagaga agagtaaaga ttaaaaaaaaa 240

aaattggggc aaaaaatgaa aggtgaagaa gaaatcggcg tggaatctgc gtgagttttt 300

ggaatgcacg ttcatataaa cgattttaca gcttttagtt gttgtaacce gccgtgactt 360

ttgggttggt aat 373

<210> 18343

<211> 537

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-B2

<400> 18343

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ganaagacga cagaagggga tccgccgaa aaaaataacg tctttttttt tttcttccaa 120

tctctctgtc tctctcccca attcccagat tctcattttt gcagagattt taggaggaac 180

atgattgttt gaattgggag agacattggt tcgtgtaaaa tgcgggtgct tggtttgagc 240

tcaagcttat gctctggtga ggataaggaa gaagaagaga ttaatggaga aggcctctctc 300

acgcctgttt atctcaacgt ctatgatcta actcctgtca acaattatct ctattggttc 360

ggccttgga tatttcactc tggcattgag gctcatggtt tcgaatatgg gatatgggag 420

ctcatgagta ttccaagcaa ttgggggtant ttgaggttga acctagaac tgtccaggtt 480

tcaaccttaa aggcgcncaa ttttgtttgg gaaaccacca ancatgtccc gcccttg 537

<210> 18344

<211> 443

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-B5

<400> 18344

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cagaaggggg actcgggtgtt gtcctcttgg agttggctac agggctaaaa gctgtaggag 120

gtgaagggttt taaagggagt ttggtggatt gggtgaaaca gcttgaaagc tcaggtagaa 180

tcgctgagac attcgatgaa aacattcgag ggaaaggaca tgacgaagag atctcgaaat 240

ttgttgagat tgctcttaac tgtgtgagtt caagacctaa agagagatgg tcaatgtttc 300

aggcatacca gtcactgaaa gctattgctg agaaacaagg ctattcgttc tccgaacaag 360

acgacgactt ccctttgatt ttcgacacgc angagaacga gaaagtgtga aaatgaaccn 420

tttatgatac gaggaggaat tag 443

<210> 18345

<211> 447

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-B7

<400> 18345

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aaacggcgat ggttgaccag agtcctcgcc gtattgtcgt ggcggcgctc ctattgtttg 120

tggttctgtg cgatctttcg aattctgcgg gagctgcgaa ttctgtgtca gctttcgttc 180

agaacgccat cttgtccaac aagattgtca tcttctccaa atcctactgc ccgtattgtt 240

tgcggtcgaa acgtatattc aaccaactta aggaagagcc atttgttgtg gagcttgatc 300

aagagagagg acggnggatn aaatcccagt atgaagcttt taaaaatcct tgggtcgtcc 360

gtactgtccc cgcaagnttt tgggtaacgg naaagcatat ttggtgggnt naagatgatt 420

cntgggggcc tgcctttggg gaantgg 447

<210> 18346

<211> 523

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-C1

<400> 18346

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aagacgacag aagggggggg tcgcagtgc aaggcccggt cgactgttta ccaaaaacac 120

aggtctccgc aaagtcgtaa gaccatgtat gggggctgac gcctgcccag tgccggaagg 180

ttaaggaagt tggtgacctg atgacagggg agccggcgac cgaagccccg gtgaacggcg 240

gccgtaacta taacggctct aaggtagcga aattccttgt cgggtaagtt ccgacccgca 300

cgaaaggcgt aacgatctgg gcactgtctc ggagagaggc tcggtgaaat agacatgtct 360

gtgaagatgc ggactacctg cacctggaca gaaagaccct atgaagcttc actgttcctt 420

gggattggct ttgggctttt cctgcgcaac ttangtggaa ngcgaaagaa ggcccccttc 480

cggggggggc ccgagccatc aattgagata ccactctgga aga 523

<210> 18347

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-C11

<400> 18347

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cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 120

cgagaagacg acagaagggt attgccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngcgg 180

ccgctctaan ggatccaagc ttacgtacgc gtgcatgna cgtcatagct cttctanant 240

gtcacctaaa ttcaattcac tggccgtcgt ttacaacgt cntgactggg aaaaccctgg 300

cgttacccaa cttaatcgcc ttgcagcaca tcccccttc gccagctggc gtaatanca 360

ngaggccgc atcgatngcc cttccanca gttgcgcagc ctgaatggcg aatgg 415

<210> 18348

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-C3

<400> 18348

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atctacgatt catgtttcgc cacgtggaag tccgctttgg atggctccgg aggtgggttag 180

aagagagtac caaggaccgg agagtgacgt gtggtcttta ggggtgtaccg tcacgcagat 240

gctcaccggg aaaaccagct tgggaagatc acggtttcga ctgcgtgagt cgggatcggg 300

ttctctaacg atttgctttt tantccggtg gggttatcgg aactcgggag aaganttcct 360

tanangaaat gcttgaaacg tgatcggagt cagcgttggg agctgtgatc agctcctgca 420

acaatccggtt tcctgtgtca agatcatcat gact 454

<210> 18349

<211> 512

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-C4

<400> 18349

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gcgagaagac gacagaaggg gagttccctc cgttgcttgg aatcaacact ggacatggaa 120

aacacagata ctgagacaaa ggtctagcag ctgttttcga gtctcacttg aaggagctaa 180

atgctccttt ccatgaagcc ccagataagg ttggctgggt tttgactacc agtgttgagg 240

caaaggcatg gttggagtct agacgctcag ctggaggagt ttctgcgtag ctcttgtaat 300

tggtatgtag ctttgatatt gtctatgtgg cttcgagctt tctccactat ttagttttct 360

ttctcctgat accggatact gggatnagga aagattttgt aatgctaaca aactccgggt 420

atacacattt tgaaacaatt ttagagaact gattaagttc aaaaaaannn atnannncnn 480

naaaaaaaaa agcggccgcc canaagatca ag 512

<210> 18350

<211> 523

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations



<223> Clone ID: LIB35-017-Q1-E1-C8

<400> 18350

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agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc tgcgagaaga 120  
cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag aagacgacag 180  
aaggggtactg ctgccagaag acgacagaag gggactccaa cagagaagca aaaaatcnan 240  
ancannnnta aaaaaaaagc ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc 300  
gacgtcatag ctcttctata gtgtcaccta aattcaattc actggccgctc gttttacaac 360  
gtcgtgactg ggaaaaccct ggcgttaccc aacttaatcg ccttgcagca catccccctt 420  
tcgccagctg gcgttatanc gaacaggccg cncgattgc cttccaaca gttgccaacc 480  
tgaatggcaa ttggaccccc ctgtaccgng cattaagcgc ggg 523

<210> 18351

<211> 511

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-C9

<400> 18351

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gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 120  
agaaggggtac ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg 180  
gggaactcta aaccacactg agatggcgaa atgggtggcga ggcctgagat ccgtgacggc 240  
ggaggtggct gatcttccgg cttcttcatt cggtcgatcg attcgatgta ttcacagta 300  
tcagacgatc caggcgattc cacgtgaagc tacgggtcga ggagtatcgg ctccggatcg 360  
gacgattggc cgtattcccg ccgtcgtttt cccgcaatcg cttctagata ctgatgcttc 420  
naagcgaagc gtgtcnagga agcaactatt gacggcggat aagaagcaga tnaagtctat 480  
tattgactct gttgggtctcc caatcctctg t 511

<210> 18352

<211> 469

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-016-Q1-E1-E12  
 <400> 18352

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngc tttggccacg 180
acggcaccgt tagctccggt caccagtcag cgaaaagtac ggaacgattt ggaggaaaca 240
ttaccaaaac catacatggc aagagcatta gcagctccag atacagagca tccgaatgga 300
acagaaggtc acgatagcaa aggaatgagt gttatgcaac aacatggtgc tttcttcgac 360
caaaacgacg atggaatcgt ctatccttgg gagactataa gggatttcgt gaccttggtt 420
caaccaattt cctctatctt tggaccttac cataaactta gcgttcact 469
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<210> 18353  
 <211> 492  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-016-Q1-E1-E5  
 <400> 18353

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ctggaacacg acatggtatc caaaagcttc agaccatgtg aacacggaca agccctggtt 180
tgtggttgat gcaactgaca aaattcttgg tagattggca tcgacaattg ctaatcacat 240
ccgtgggaag aatcttgccct cttacactcc tagtgctgac atgggagctt ttgtgattgt 300
ggtgaatgct gagaaagttg ctgtatctgg aaagaagcgt aacaaaagc tgtacaggag 360
gcattcagga cgacctggtg gtatgacagt agagacattt gattaattgc agcagagaat 420
tcctgaanga atcgttgagc atgctgtttc gtggaatgct tccanaggga cggcttggga 480
aaactctgtt ca 492
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<210> 18354  
<211> 490  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-F1

<400> 18354

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnacata 180  
ccacaaaacc tctcttctct ctctattgat tctctacgaa gaggaaagtg attttgaacc 240  
atcttgatcg gaaacggcgt ttcgaaactg gaggtcgaag acgaaaaaaa ctcttatctc 300  
atcgctccgg tgtaccgaat tcgagaggtt tttgttaggt ttcgtagtga ttgattgatt 360  
ttgatggaag atagtgtggt ggatgatggt ataaagaggt tactaggagc gaaaaacggg 420  
aagacgacna ancaggttca gttgacggan gctganatta aacaatcttt gttctaccgc 480  
taancaagat - 490

<210> 18355  
<211> 459  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-F12

<400> 18355

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gaagacgaca gaaggggcaa tccaaacctg ggtccgaacc tatgttgaac gctactatcc 120  
aaacccgaac cttatcaaaa cagactctga gctccaatct tggtagtcag aatcaatcaa 180  
cgtcggccac gctgacctcc gcgacgtga ttggtggccg gagttatcaa ccgtcgacga 240  
cctcggtgctg attctaacca ctctaactg gctcgctct gctcaacgtg ccgctctaaa 300  
ctttggacaa tacncttacg gtggctacgt cccaaaccga cancggtgat gcngcggggt 360  
taatcccgac gantcgattc agaattacgc cgagtttcat ctcccatcc gggagaaant 420  
attacttccc ggtcnatgcc aaattttggg ggcaaaacn 459

<210> 18356  
<211> 452  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-D8

<400> 18356

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agaaggggac agagatgaat tctatatcaa tcttggtgtc gctgtccgta tacttcgtga 120  
agatttgccct ttgctcttca ctagagatct taattacgac atctacaggg atgatataac 180  
atttggtggat ccgatgagca cattcactgg gatggacaac tacaagatta tcttctgggc 240  
actcagattt catgggaaga tattgttcag agatatctca cttgagatct tcagagtatg 300  
gcaaccatca gagaacatgg ttctcatcan gtggaatctc aanggtgtgc ctanagttcc 360  
atgggaaant anagggagag tttcaagggc acttctcggg anaaactcga ccgtaattgg 420  
caaaatncta tgancataaa gtcgataact tg 452

<210> 18357  
<211> 487  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-F4

<400> 18357

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cagcggtgaa tgcagcaata cgcttacaac agcgatgcag tgagaaagtt ggtaaagatg 180  
caaatgattt agcaatctct acgcgtttac ttgtatcgag ttcccaaatac ggggtgtctca 240  
ttggaaaagg tggagcagtt atatctgaga tgaggagtgt aacaagagct aatattcgta 300  
ttcttcaaaa agaagacgta ccaaaaattg ctctgtaaga tgaagagatg gttcagatta 360  
canggaagtc ctgatgccgc tatgaaagct ctcacgcaag taatcttgcg attaagagct 420  
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caagtga

487

<210> 18358  
<211> 473  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-G3  
  
<400> 18358

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atcttctttt cttcaatctc tctgagaatt tctaggtttt cgttaccgat tgggtcaatc 180  
tggtgaaact caaggttgag atcagataat ttaattggaa gattttaggt tatggagaac 240  
agaggccaga aacgaatgga ggttgtggaa gagctacctg ctgataagag agcttgtaac 300  
tctcaggatt ttagaccaag cacattcgga tcatctgttc aagctcaagc taatgatacg 360  
aatccaggac atgaaaacgt tgacgctgat atggataact cttcatctgc ttgccttcg 420  
agtcgatnag atgaagaana acaagaagan caggataagg aggattccga cta 473

<210> 18359  
<211> 475  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-H1  
  
<400> 18359

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caccaaata caacaagccc caatggaaac aagtcttcac gccaggctat gatgctacgt 180  
catgctggct atggaatctt gctaagactc atgctatctc tcatgacgcc gggttatcatc 240  
agcttatttc ccattgggtg aggactcatg cctgtacgga gccatacata atagcggcaa 300  
atagacaact aagtgccatg catcccatth ataggctttt gcatcctcat ttccgctaca 360  
ccatggaaat caacgctcgt gcacgccaaa agtcttgtca acggaggtgg aatcattgag 420

actgtttctg gcccggaag tatgcatana gctaagttca accgtctatg gtaaa 475

<210> 18360  
<211> 496  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-H11  
  
<400> 18360

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agaagatttc tcgtttcata tttcgacaaa cttagaatct gcttatcatc tgagccagct 180  
tgcgcatact ctgcttaagg cttcaggatg tgggaacata attttcatgt cctctattgc 240  
tggagttgta tctgctagtg tcggctccat ctactctgca acgaaagggg tattgaatca 300  
gctagcaagg aacttggcat gtgagtgggc tagtgatggc attagggcta atgctgtggc 360  
tcctgcagtc atcgcaactc ctttggctga agctgtgtat gatgatgagt tcaagaaagt 420  
ggtgatatca agaaagccgt tggggcgttt cnggggaacct gaaanaagtt tcctcgcttg 480  
tgggcttttc tatgtt 496

<210> 18361  
<211> 502  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-016-Q1-E1-H12  
  
<400> 18361

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gggtctatat cagaatatca agacaggcag tcagcgttta tgacgattta tctcatggta 180  
ttgacagaac tgccgaatta acggttggac gctttgggtg tatcnatgct ttagcacagg 240  
agtatggaca aggtatggct aagcaangga tggatgtatt actttccaca ttatcaaaag 300  
ctattcaatc ctgttgngca catctcataa aggccaaatt gttgggggta accgtccctg 360

atngagaaga gttaaccaag aatcacnaaa aatccttttt gaacctttgg gtcctccccg 420  
 ttcaacctgc acgccncaaa nggtggaaat tgganggnaa ntccanttnn aaccattat 480  
 cncctgaagg ttaaacctgt tn 502

<210> 18362  
 <211> 405  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-016-Q1-E1-H7  
 <400> 18362

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 cttaatcgta ttcttgagat tgtctctgca acacttcttg gctttaagag atttaggctt 180  
 aaaggacgtt tgtatccatg tattatcccc tctgagaatg gagaagttca tggaaaggta 240  
 ctaatgggat tgactaatga tgaacttgag aatgtagatt gggttgaagg aaacgaatac 300  
 gaaagagtgt ttgttgaagt tgtaagaaaa agacaattct gagaagatga gagtggaaac 360  
 atatccatgg atnaacaaga atgatctgat attggtggag aatgg 405

<210> 18363  
 <211> 422  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-016-Q1-E1-H9  
 <400> 18363

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 tcgttgaagc tgataacgca gaagcaataa tcgagaggat cgaaaccaa tgcaggaaga 120  
 ttgaaagcct actcaaacag tacaacatg tagaagcttt gaaaacggct cttgaagggtt 180  
 cgctccgaa aactcgcatg gaacgttgca agtcggctaa ttggatagtt gtgcacagag 240  
 ctttaatggc cattaaggat attgacggaa tgctcaatgc tcttgatgac gaatattacg 300  
 acattctcat gaagtacttg tacagaggac tttctactgg ggancgaccc atctgcgatn 360

agtgccctgaa agattcacga agaaactcac tgagaagagc tggctctcngt tgcattctcc 420

ga 422

<210> 18364

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-A11

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agatcagcag aaggggcttaa gctaaaccga agacccatca agaaaaagac ttctgccgctc 180

gtaaaaatcg acgagaaatg tcgaaaatct aatcttgacg aatcgagaag aagcaatcct 240

acatggaact ataaatcaga gatgcccacg aatggtaatg aacagtttat cttcattgag 300

gtattttatc gaacagggttc tgggcatgat aaaaaaatcg gagaagctaa aatcccaacg 360

aatgatttca tgggaaggta ttcacctgaa ggctacttaa acttcttgag ctatagattg 420

agagatgagt ttggtgataa gtgtgggacg gtc 453

<210> 18365

<211> 468

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-A12

<400> 18365

gcgtccgtac ggatgcgaga agacgacaga agggggagaa aaagagatgg aaagaaaaaa 60

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tcgtaccgaa tctgctcttc cttatcacca tgaactgttc ttggggagga agcggatgaa 180

ttattataag cccaacagtg ccataggaac accatcatca actagtggcc acgctccagg 240

cagtaatggg aggaagttga tgagtatata tagaccaat ggagacatat ttacaggacc 300

atcaggcagt gggcatggg ggggtcgcac tccagcccc taagtatata tatattaatg 360



tgtaatcaag gactcacaag cgaagctttt aattctcgat nacgtataac gtatgcgttg 420  
gtgtagtata tgtttaatth ctgttttcac aagccaagtt tttcattt 468

<210> 18366  
<211> 413  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-A10  
  
<400> 18366

tacggctgcy agaagacgac agaaggggtac ggctgcyaga agacgacaga aggggtacggc 60  
tgcyagaaga cyacagaagg gtacggctgc gagaagacga cagaaggata cggctgcyag 120  
aagacgacag aaggggtacgg ctgcyagaag acgacagaag ggtacggctg cyagaagacg 180  
acagaatggt acggctgcyga gaagacgaca gaaggggtacg gctgcyagaa gacgacagaa 240  
gggtacggct gcyagaagac gacagaaggg tacggctgcy agaagacgac agaanggtac 300  
ggctgcyaga agacggcaca aggggtacngc tgcnaaaaga cyacagaagg ggaaaaatan 360  
aattataaaa ttaaacctat gaatatgagc aatccctcna taaatctgaa cct 413

<210> 18367  
<211> 512  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-A2  
  
<400> 18367

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aaggggctgt cgggantaaa cgagtcagag acgggttana cctcgactcg ccggacgtga 120  
agcggttaag agatgatttg ttcnatgact cngggcttga cccagtgagt caagatcttg 180  
actcgggtgat gaagagtttc gagaatgagt tatcgacaac gacggcggcg ctaagctccg 240  
gtgaaactca accggatctt ggataccttt tcgaagcttc tgatgacgag ctgggtttgc 300  
caccgccgct tacgccaccg canacycntc ttcctccgtc gngtgaagaa acgggtgacgg 360  
aattggtaen agcctcgtec ggattcatca nangtttggg naattatggt ggttttgagg 420

atcatgttac ggaagttcgg accttgccat cttggtgaat atgggcnttt cgaataattt 480  
cgatgggtgt ttaagattcc ggcgnattgt tt 512

<210> 18368  
<211> 551  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-A3  
  
<400> 18368

tgttttngggc ccgccctatc gcgtcataag anactgggttn gaccnancgc gttcgnccna 60  
aannntccgg aagacgacag aagggggact cttcattggn tttcntctcc tcctaattnc 120  
ctcttcaatt tcctcctcct gatcgccagt tgattttang gcttctggca aacgaaagaa 180  
gatggctttt agtcgggagg tgttgggcca tgtccctgct aatcaagaac agtggtgang 240  
ttgaagagcc tcgctcgttt cgctgtcgat gaacacaaca agaaagagaa tgcacttctt 300  
gagtttgcca nagttgtgaa aggcgaaaga acaagttgta nccggaacac tgcattcacct 360  
gactctggag attctcgaag cangacagaa gaagctttac gaagccnaag tntgggtcaa 420  
gccgtgggtt ggacttttaa agaattacaa gagttnaaac cctgccatt atgcccctng 480  
ctaacacttc ctncgattt ttggctgcca agccaagggtg gacatnaatc ctggattgaa 540  
gggaaatttc c 551

<210> 18369  
<211> 539  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-A1  
  
<400> 18369

ctggtttgcc tgcgcctacg ggtccggaaa tcccggggtc gaccacgcg tccgccang 60  
cgtcgccca cgcgtccgta cggctgcgag aagacgacag aagggggggg tcacagtgc 120  
caggcccggg cgactgttta ccaaaaacat aggtctccgc aaagtcgtaa gaccatgtat 180  
gggggctgac gcctgccag tgccggaagg ttaaggaagt tggtgacctg atgacaagg 240

aagccggcga ccgaagcccc ggtgaacggc ggccgtaact ataacggtcc taaggtagcg 300  
aaattccttg tcgggtaagt tccgacccgc acgaaaagcg taacgattct ggggcactgt 360  
ctcggagaaa aggtccgtg aaataaacat gtccgtnaaa aattccggac taactgcaac 420  
ttggacaana aaagaaccct aatgaaacnt caatgttccc tggggaatgg cttttgggcn 480  
tttcctgccc aaccttaaag ttggaaaggc gaaanaaagg ccccccttcc cgggggggg 539

<210> 18370  
<211> 505  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-A4  
<400> 18370

actggtttnt ctggccctcc cgggtccgga tatncccggt tcgaccacg cgtccgtaca 60  
gctgcgagaa gacgacagaa ggggtacggct gcgagaagac gacagaaggg tacggctgcg 120  
agaagacgac agaagggtac ggctgcgaga agacgacaga aggttacggc tgcgagaaga 180  
cgacagaagg ggacgatgaa tcgattttat agctccgata ttgttattca tgatatttct 240  
ttcattcgat atcatcgcaa tctaattcat ctgagtaagt ttacaagcga aagatttctc 300  
atctctatgg gattaaatcc cgagatatcc cannnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnnn nnnnnnnnnn nnnctgcat ttattgctac tgcactcttc aatcctcggt 420  
ccctactggc ntttttgcen tatnatttta cgtnaaaaac cgtagtcan aattgattnn 480  
nttgaaataa aatttttact atcca 505

<210> 18371  
<211> 252  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-015-Q1-E1-A5  
<400> 18371

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaaggg acggctgcga 60  
gaagacgaca gaagggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac 120

gacagaaggg tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga 180  
 anggtacggc tgcgagaaga cgacagaang gtgtgcaaaa naaaanaaca nanannaaaa 240  
 aaaaaagcgg cc 252

<210> 18372  
 <211> 268  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-A6  
 <400> 18372

aaggatacgg ctgcgagaag acgacagaag ggatgaacgt gaagatgact ggcaaagtct 60  
 ctgatcatga tcatcgtaac acattttaac aatctcaagc tacaattctt tttttccttt 120  
 tgtaaccag ttctttgttt tttatatgtg ttggtgnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaa 240  
 naaaaaanca aaaaaanaaaa aagcggcc 268

<210> 18373  
 <211> 513  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-A7  
 <400> 18373

tttttttggc cgccctacgg tcangataat cccgggggtcg acccacgcgt cgcacggatg 60  
 cgagaagacg acagaaggga gaaggaccaa tctataatag ctgaaattag attcaaccat 120  
 gatcatgaat gggatgatgag caaatataga gaagtcattg agttctggag aaatgaacga 180  
 gaagctgggt acactcctga agaagaacgt tggaaatgtc ggtattgcca atttgctaag 240  
 tcttgccctg gaaacccgag tttcgaatct cctagcacia gctcaccaac aagagaggct 300  
 cctcctttac caagctaaaa agaagatgaa aagttgattc tttcacgaa agctgctaaa 360  
 tgctaacata tatgtttgtg ttgtcttaat ttccacattt gcctccctta aattgcatan 420  
 caattaagtg attaaaccgt ggtttgatta aggttggtaa gcctnncaaa gattgatttg 480

ttccggggat gccccaattt gattaatggt gta

513

<210> 18374

<211> 405

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-015-Q1-E1-A8

<400> 18374

aagatgataa ggaggagagt gatggtgttg ttgttaagga agcttcttgg atagatttgt 60  
atttaccaga agaagttaga ggttatgcta agcttgctcg attggataaa cccattggaa 120  
cttggttgct tgcgtggcct tgtatgtggt cgattgcgtt ggctgctgat cctggaagcc 180  
ttccaagttt taaatatatg gctttatttg gttgcggagc attacttctt agaggtgctg 240  
gttgactat aaatgatctg cttgatcagg acatagatac aaaggttgat cgtacaaaac 300  
taagacctat cgccagtggc cttctgacac catttcaagg gattggattt ctgaggctgc 360  
agttgctttt aagcttaagg attcntctcc aacttaacaa ttaca 405

<210> 18375

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-015-Q1-E1-A9

<400> 18375

ccctacgggc cgganattcc ggggtngncc cacgcgtccg tacaagctgc gagaagagac 60  
agaagggata naaatagnaa gtgatgatcc agttggagtc agcttctaaa tatctgtant 120  
gttaatggtg gnacattata tccatatttt taatttcata attaatgtta gaaccacaaa 180  
gcatgcncaa atggaaaaaa aaaagcggcc gctctagagg atccaagctt acgtacgcgt 240  
gcatgcgacg tcatagctct tctatantgt cacctaaatt caattcactg gccgtcgttt 300  
tacaacgtcg tgactgggaa aaccnngcgc ttaccaact taatgcctt gcagcacatc 360  
cccctttcgc cagctggcgt antatcgaan aggccgcanc gntcgccent cccaacagtt 420  
gcgcagcctg aaaggcgaat gggacgcgcc ctgtnaccgg gc 462

<210> 18376  
 <211> 368  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-B10

<400> 18376

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ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 60
gaaagtaaag agaaaaaccc taatcttcat cttcatcttc tcccgcgcgc gcccgtaaga 120
ggtttcgaag aagcaaagtg agcaacaatg gcgggaggca agatcaggaa ggagaanccc 180
aaggcttcga atagagcacc atcgaaccat taccaaggag gaatatcggt ccacaaatcg 240
aaagggcaac atatccttaa gaaccctctg cttgtggatt cnatcggtca aaaagctggg 300
atcangagta ccgatgttga ttctccnana tnggtcccng tactggaaaa ctttacnaag 360
aacctctt                                     368
```

<210> 18377  
 <211> 409  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-B11

<400> 18377

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aagaaagaaa taaaatagaa taagagaact tggtgtagca gttgaagcag aaaataaaca 60
gagtaacgaa tccaacatca caaaacannn caaaaactaa aaaatggctc tgaatagtgt 120
ctcctctgaa gaattttacct tcccatcgct agcttctcat gattcttctc accattccgg 180
tcttgattca cctcctttgt ggaaacactc accggttact tcctttcgcc ggaaagatta 240
cgactttggg ttggcaagat tagtcattgg aaaagacggg gatcatgatc agaggaagag 300
cttctcgtag gtggagatga gaaatcggtg gatcgacgac aaagaanagg agaaaatgga 360
tatgttatgg gaagatntca acgaagaant gcctccaaaa anttcgggt 409
```

<210> 18378  
 <211> 443

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-B5  
 <400> 18378

```

aaagaagacg acagaagggg aacgaggttg acattaggcg aaaggatctt ctgccggtat   60
atgataatTT tcacagtgtg tataccagta tgcgcaacag aggattttct ggggaaagag  120
attcagattc ttctttcttct tctgaccctg gacaagttaa agaaatgcat ccattcaatg  180
gtatggttta cccogaagat gaggaagaa gagggagtgc ccattttgca ctaactccaa  240
acaaaaatcc tcataccgga attgtaacat ttaaacagcc tgtagtttcc atttcttctg  300
ctgtgaaaga cactgattat atagacgacg acgctcatgt cttgccaaag aacgcctccc  360
tgcccgtga aacaaaantt ganaacagca gtngggataa gtggagattc aaatgtnagt  420
tctaaccggt ctgtctgacn ttg                                           443

```

<210> 18379  
 <211> 506  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-B6  
 <400> 18379

```

ctttctgcgc gccctaccgg tcaagatata ccgggtcgac ccacgcgtcc gtacagctgc   60
gagaagacga cagaaggggg cagacgcagc catgggtatc gatcttatcg caggaggtaa  120
gagtaagaag accaaaagga ctgctcctaa gtccgatgat gtctacctaa agcttctcgt  180
caagctttac cggtttttgg tgaggagatc taacagcaac ttcaatgctg tgattctgaa  240
aaggcttttc atgagcaaag tcaacaaagc tcctctttca ctctctaggc ttgtagagtt  300
catgactggc aaggatgaca agattgctgt gttgggttga actatcactg atgatttgag  360
agttcatgag attcctgcca tgaaggttac tgccttgagg tttactgaga gggctggggc  420
tanaattgag aaagctggtg gagagtgctt aacctttgac cagcttgctc tcagagctcc  480
attgggacag aacacagttc ttctta                                           506

```

<210> 18380  
 <211> 435  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-B7

<400> 18380

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aagacgacag aagggggaac ctttaaaact cagattttat ctctcttcag tctccacgct 60
gcttgaaact gaagcagaga agcaaagaga tgtcttttga ggagtttacg ccgttaaacg 120
agaagtctct tgtagactac atcaagtcaa cacctgctct ctcttccaag atcggagccg 180
acaagtccga tgatgatttg gttatcaaag aagttggaga tggcaatctc aatttcgttt 240
tcatcggttg tggatcctct gggtctcttg tcatcaaaca gggtcttcca tatattcgct 300
gtatcgggtga atcatggcca atgacgaaag aaagagctta ttttgaagca acaactttga 360
gaaagcatgg aaatttatca cctgatnatg ttcctgaagt ctaccatttt gacagagcaa 420
tggtttgatt ggaat 435
```

<210> 18381  
 <211> 422  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-014-Q1-E1-D7

<400> 18381

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aactctaaac cacactgaga tggcgaaatg gtggcgaggc ctgagatccg tgacggcgga 60
gggtggtgat cttccggctt cttcattcgg tcgatcgatt cgatgtattc atcagtatca 120
gacgatccag gcgattccac gtgaagctac gggctcgagga gtatcggctc gggatcggac 180
gattggtcgt attccccgcg tcgttttccc gcaatcgctt ctagatactg atgcttcgaa 240
gcgangcgtg tcgaggaagc agctattgac ggcggataag aagcaagatn aagtctatta 300
ttgactctgt tgggtctcca ttcntctggt ctaccacttt ccagcttcag attcgaactg 360
gtcaaggggt cctcgacgcc tttttgnatc cnggtcnaag tttcttcccc.cccaaaggg 420
nc 422
```



<210> 18382  
 <211> 488  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-014-Q1-E1-D9

<400> 18382

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ttttgagaat cgtttggcct tctaccggtc ttgntatccc gggtcgaccc acgcgtccgt   60
acnntgcga gaagacgaca gaaggggggg ggtcgcagtg accaggcccg ggcgactgtt  120
taccaaaaac acaggtctcc gcaaagtcgt aggaccatgt atgggggctg acgcctgccc  180
agtgccggaa ggttaaggaa gatttctcaa gaacactcgc ggagagacct gttgctgata  240
tttcnaangt gcttcathag ctanataccc tgccttccaa gatattctnnn nnnnnnnnnn  300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnan gatgaatggt gtgtgctaag  420
caagtgtggt gcctttgtgt ggaaatgaan aagtacttcg aagacttgcg tttatcagtt  480
tantgttg                                     488
  
```

<210> 18383  
 <211> 458  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-014-Q1-E1-E6

<400> 18383

```

tctctactct tgtcgctggt ggaagaagag gaagagagag gacaagagaa tcataagaag   60
aagacatagt catgggagag gtgaaagtag acgacgatgc gattcttaaa tccttcctcg  120
ccgaggtcgg agaagttgag agagataacg aagtcggcag gattctctca tgcttcaagc  180
tgaattcggt tgagcatctt aacctctctt tcgattcttc cacggatgat gttaaaaggc  240
agtacagaaa gatttctttg atggttcatc ctgataaatg caaacatcca taancacang  300
aggctttcgg agcattggna caagcgcaac aactgctgct naacgaccna gaaanagatt  360
atattcctac cnagtccttg cngcagaagn angagcttcn atgaagagan anaaacngtt  420
tnngaananc cgctctnaa ataaagtccc tgggttng                                     458
  
```

<210> 18384  
 <211> 416  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-014-Q1-E1-D11

<400> 18384

```

ggctgcgaga gacgacagaa ggggggaaag aagaagaacg gctgagttaa aaaacaacct   60
tgaatcttat atatatgcta ccaaagagaa gctggaaaca cccgagtttg aaaagatatc  120
cacccaagaa gagcgcaagg cgtttggtga aaagcttgat gaggtgcaag attggcttta  180
catggatgga gaagatgcta atgccacaga gtttgagaag cggcttgact cacttaaagc  240
catcggcagt cccatatctt tccgatcaga ggagcttaca gcacgaccag tagcaattga  300
atatgctagg aaatacctaa ctgaactcaa agagatnata aaagaatggg angcgaacaa  360
aacttggctt caaaagaaa aaatcgacga ngctctcaaag gaagcagaga aagtta      416
  
```

<210> 18385  
 <211> 256  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-014-Q1-E1-F12

<400> 18385

```

tcttactggg cgggnctatc ggtntantcc atcccgggnc gaccacgcg tccgnacaan   60
tgcgagaaga cgacagaaga gtacggctgc gagaagacga cagaagggtta cggctgcgag  120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg  180
acagaagggt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  240
nnnnnnnnnn gcggcc                                     256
  
```

<210> 18386  
 <211> 551  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-014-Q1-E1-F5

<400> 18386

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gagaaagacg acagannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tggctagtgg aatcgctcgt ggctggttag 180  
ctgaagagag gaaatcgtgg aggaagaatc atcctcatgg ttttgtggca aagccggaga 240  
cggggcagga tggaactgtg aatctaattg tgtggcattg cactatacct ggcaaagctg 300  
ggactgattg ggaangtgga ttctttccat taacgatgca cttcagttag gattatccga 360  
gcaaactctc gaaatgtaaa ttccacaag ggtttttcca nctaattgtc tatccatctg 420  
gaactgtccn gtctctctat nctaaccga ggatttatgg atngagacca nncctctccn 480  
tnnaaccna ttctgttgg nattcacngg ttttcnttc accaccgaat cccctgaac 540  
ctggacanaa c 551

<210> 18387

<211> 220

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-014-Q1-E1-F6

<400> 18387

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 60  
gaagaccaca gaagggtacg gctgcgagaa gacgacaaa ggtacggct gcgagaagac 120  
gacagaaggg tacggctgag agaagacgac agaagggtac ggctgcgnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcggcc 220

<210> 18388

<211> 497

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-014-Q1-E1-F9

<400> 18388

ggaattttct tggcgggtct accggtcana gattatcccg ggctcgacca cgcgtccgca 60  
 anaagacgac agaaggggga cgacaattca aacttgtacg gactaagacc agactctctc 120  
 tgacgttgtc agatctgca cctgctagcg agaggatgcg agaggaaact gtgggtttacg 180  
 agcaggagga gtctgtttct cacggcgggg gcaagcacag gatccttgca gagcttgccc 240  
 gcgttgaaca ggaagtcgct ttcttgaga aagagttgaa ggaggtcgag aacacagata 300  
 ttgtatcaac cgtgtgtgag gagctgctat ctgtcatcga gaaaggaccc gatcctctgt 360  
 tgccactaac caatggacct ttgaacttag gatgggaccg gtgggttgaa ggaccaaattg 420  
 gangagaagg ctgcagatgc ttaatacttt gattccctag acnnagttat gtgttacata 480  
 tactagtttc ttgctag 497

<210> 18389  
 <211> 405  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-014-Q1-E1-G10

<400> 18389

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 aaaactaaga acggttccat ttgttttcat tgtctagann agaagaagaa gaaggatgtg 120  
 tttggtgttc gtgtgtgatc aggacgagag ggtgatcgga aggtacgcag ctctgnanc 180  
 gtgtccgtac tgccgggagga acggttcaag tgggtgacgt aaatagccag tggagattct 240  
 gcttcgttcc tctctctaataa aaateccana cgtcgtccat ctctgttcca actttgccgg 300  
 caaacnact ccacgtcca tgggctgaaa aacanaaact cccacctcca taacaanatt 360  
 atttccaana atgtccatat ntcccaaatt cctgaacttg ctttt 405

<210> 18390  
 <211> 469  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-014-Q1-E1-G11

<400> 18390

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 cgagagacga cagaaggggg aagtcattga acaacaacct catcgaagac gacgccc aaa 120  
 cccaaaaaag gtctacattc ggagaacatt ctcttgacg acnaggactc gtcgggtacg 180  
 ggaggcatgg tcacaccgcc agactcagat gctccgtcca aattcaggaa gccacgcgcg 240  
 caccggaaga ggatggagga cttggagagc ctccgtatca gtagcccggt caagaagtct 300  
 tctcgaaggg ccaagaacct cgtttacgga ccaagatgac cgcgaaatct tggaggggct 360  
 ggagaagtac ggcccagctt ggactaaaat ccagcgggac cctgcctttc atctacagag 420  
 cccggcagcc gacagatttg agggaccgtg ttcgcaacaa gacancccg 469

<210> 18391  
 <211> 506  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-014-Q1-E1-G12  
  
 <400> 18391

gaactggttt cttttgcccg gncnancggt aanggacatc ccgggtcgnc ccacgcgtcc 60  
 gcccaancgt ccgtacggct gcgagaagac gacagaaggg ggatctagag ttgagaaagt 120  
 gttggaagct gttcacattg catccaacan aaacactgtt cctgggagat gttttctgcca 180  
 tggttcctgg tggaatcaga atgggtactc ctgctctcac ttccagaggc tttgttgagg 240  
 aagactttgc caangtagct gaatacttcc gacaaagctg tgncaatngc tcccaaagtc 300  
 naatctgaag ctcaagggac caagttgnag ggtttcntgt cngcaatggg atcctcctca 360  
 accatncaat ccgggattgc gaaactgngc catgaagtcn anggattcgc taagcagttc 420  
 ccaacaaatt gggtttgaga aagaaaccat gaagttcnng aactanccgt ttcaccnca 480  
 agtgttttcc gttangcett gaattc 506

<210> 18392  
 <211> 492  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-014-Q1-E1-G4

<400> 18392

cacggccccg gacatcccga atcgacccac gcgtccgtac anctgcgaga agacgacaga 60

aggggaaaga gaaaagcttt gagtcttcca ttgacatggg cgcttagctt atgcttgaga 120

tattttgttt ttacctccga gaaacggatt tagattcgta atcgtgagtt ttttggtgta 180

atggagatcg ctactgtcgt aaaggctaatt ggcgttgctg attcaagcac atccagataa 240

gaaattagca aagaaaatgc acaaagctca tcctaattct tataaagacg acaatcacia 300

accagagatg gctttggcct atactcaatt cgaggctctc tgtggcttta tacctcctca 360

ggagcttaag aatgtcattc cgagctaata ccggagaatt gaagaacttg tttgganttg 420

aanaancaaa acaagttttc tgtatcactg gacatgatta gggaaaaatn taatctgttt 480

tccccaaaac ct 492

<210> 18393

<211> 497

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-014-Q1-E1-G9

<400> 18393

gaattttctt cgcgcttcta ccggtcanga ncatcccggtc cgacccacg cgtccgcaca 60

ancgtccgcy gacgcgtggg cggctgcgag aagacgacag aaggggaggt agtgctgaaa 120

cacacaggag acgacgagtc gtgttcgcca cgtcagatgg ctgagaacat catctcttac 180

ctgcaaaaaca aaggttatct tgagggctaa gtcaaagtcg gaaaaatcaa cccaatttgt 240

cgattctata tatggctaaa ggattgttct cctgattcgc gtcagaagct tgagacctgg 300

aaacgatgtc gtctcgcttc gtcacactat catttgttct tgaattgtgt tgaagtcaaa 360

agccaaaggg aatatatcta tatttgttct aatcatcatt tagttagttt ataaaagagt 420

tttgctncaa tgatatcgac tgtgttgat aatgtgaatn ataaagtngg atttcgttgt 480

atttaccaaa naaaaaa 497

<210> 18394

<211> 499

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-014-Q1-E1-H6

<400> 18394

caagcgccg tacggctgcg agaaaacgac agaagggtg ataagggaaa gtttcttctg 60  
gcggcgcgga ggtaggtac cgggtgcttac actgagtaca tcatatcact tgatgctgat 120  
gatttctctc aaggaagtaa tgcctacgtc ggaaaattaa gatcagattt tcttgggacc 180  
aactttacag tatacgatag ccaaccacca cacaacggag canaaccttc aaatggcaaa 240  
gccagtcgca ngatttgcac caaagcagat aagccctcaa gttccagcag ggaacnttga 300  
agtcgggtca tggttcntag naattcaacc ntttnaatca agnagtcna agaagaatgg 360  
taagcacact nngggnccca tcaagntca accttcanca agcatccgct gggntccccg 420  
tcttgaacaa aangccatgt gatgttgncc angctnattg nccaaaaccc acaaggggtg 480  
gntccaacct tgggatacg 499

<210> 18395

<211> 476

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-014-Q1-E1-H9

<400> 18395

tatggtataa tctcncgggt ccgaccacg cgtccgaaaa aacgtccgcc cacgcgtccg 60  
tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggggcgat 120  
cggagaagaa aaagctcgag agacgccatg gaaatttccc aagctcgttc aagcttcgtt 180  
tgtcttcttc ttctgttact ctccatgtgt ttcgttccct gcgtcttttc caaatctcct 240  
cgtcctatct ccgatgtgga gatcaggcag aagaagagcg aatgctacgg tgatatagag 300  
agtgggttat ggggttggca atgcaaactc tctgcagtag cgaangagaa ttgtgngctg 360  
cgatgccttt ctenggttg ctatnaactc atttatgaga gtgatccgct tgaanaaagt 420  
gaataagatt tgattaggag ccaagagtac aaggtantgt attacaactc atcact 476

<210> 18396

<211> 421

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB35-013-Q1-E1-F8  
  
 <400> 18396  
  
 ttgacaaatc tctcaaaacc atttgttttg caatcgcaga tccgtttttc ttcgggtctc 60  
 atcacaatga atggttttctc tgatcttaat ccttctgaga gcaaaccctc tctgtcacia 120  
 ctagctccat tagaagccat tctgtttgat gttgatggaa cactctgtga ctcagatccc 180  
 atccaccta ttgccttcca agaactgctt caagagattg gttttaacaa tgggtgtccca 240  
 atcgatgaga aatTTTTTgt tgagaacatt gctggaaaac acaattctga aattgctcta 300  
 cttctgttcc ctgatgatgt ttcaagaggg ttaaaattct gtgatgaaaa ggaagctctt 360  
 taccgcaaaa ttgttgaga gaagataaag ccacttgatg gggcttataa aactgaccaa 420  
 a 421

<210> 18397  
 <211> 506  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-013-Q1-E1-G1  
  
 <400> 18397

ctggttcctt tacgtangcc tccggaaatc ccaangtcga cccacgcctc cgcccacgcg 60  
 tcangtacgg ctgcgagaag acagaagggg acggctgcga gaagacgaca gaagggtacg 120  
 gctgcgagaa gacgacagaa ggatacggct gcgagaagac gacagaaggg gacaacgaag 180  
 gcatcttctt catcaattga tctactctgc tctgctcaag atcagaaatc gtcggtttag 240  
 ttctccggtt aaaagtctcg tctctgcggg aattggaact tcaatggagg gattaaagct 300  
 ctgagaagcg gaattgatga tttttattca tccttcccaa aacaaaaacg tttttcaagg 360  
 aatttgctcc gagctcagtt ctcttctatt ccaatataat gaaacctttg atggagttct 420  
 attggcttat gatgctactg tgaaaaagca aacaagctaa aatcccttac angacttcat 480  
 ccttactttg gcgtcagagt taacac 506

<210> 18398



<211> 266  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-013-Q1-E1-G2

<400> 18398

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ncangcgctcn gtacggctgc aaaaaaagcn gccgctctaa angatccaag cttangtacg 60
cgtgcatgcg acgtcatagc ttttctatag tgtcacctaa attcaattca ctggccgctcg 120
ttttacaacg tcntgactgg gaaaaccctg gcgttaccca acttaatcgc cttgcagcac 180
atcccccttt cgccanctgg cgtaatatcg aanaggcccg caccgatngc ctttcccaac 240
agttgcgcan cctgaatggc gaatgg 266
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<210> 18399  
 <211> 422  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-013-Q1-E1-F6

<400> 18399

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agaggatgac caaaatgaca gagagtgtag caaacagcat actgtctgga gtccttaaag 60
tttctggatt cttcacaagt tcagtggcaa acaccaaagt aggaaagaaa ttcttcagcc 120
ttcttcctgg agaagtcac cttgcatctc tcgacggatt taataaggtc tgtgacgctg 180
ttgaagtagc tgggaggaat gtaatgtcaa cctcttcac tggtacaacc gaactcggtg 240
atcacaagta tgggtggtaaa gcggctgagg cgacaaacga agggctcggt gcagcaggat 300
atgcgcttgg cacagcctgg gttgctttca aaataagaaa ggctattaac ccgaanaatg 360
tactcaagcc ttcgacgctt gcaaaaaccg ccattanatc tgcagcttca caaaaaaag 420
cc 422
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<210> 18400  
 <211> 503  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-013-Q1-E1-G3

<400> 18400

ctacggctcc ggatgatccc gangtcgacc cacgcgtccg cccangcgtc ngcccacgcg 60  
tccgtacgag aagacgacag aagggggatt caaacgcatt tgggtaggct gagagaaaag 120  
aaaagaaaaa gataaagatg gatcacgcag cagacgctca ccgtacggat ttgatgacta 180  
ttacaagatt cgtgttgaat gaacaatcaa agtatccaga atctcgtggg gatttcacca 240  
tttttgctta gtcacatcgt tttgggttgc aaattcgttt gcagtgtctg taataaggct 300  
ggttttggcta agttaattgg acttgcaggg gaaacaaaca ttcanggtga agagcaaaaag 360  
aaacttgatg tgctccccta aagatgtcct tgtcaacgcc ttgggtaaca ntggtaagaa 420  
ctccgttcct gtcctcggan gaaagatnaa ggaagctacc tttgtggagc catccaaacc 480  
ttggaaaatt actgtgtttg ttt 503

<210> 18401

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-013-Q1-E1-G5

<400> 18401

cagaatctga gatcggatct ttagagagag agagaaagat gcagaggac gtgtcgagct 60  
gcaacactta caactatgga gacgctctct attgggacgc tcgttacgtg caagacgcgc 120  
tttttttcga ctggtaccaa tggtactctt ctctccgcc ttttgtccgc agcttcgtct 180  
ctacttcttc acgagtcctc atggttggct gtggcaactc cctgatgtca gaggatatgg 240  
tgaaggatgg gtatgaggac atcatgaatg ttgatatctc ttcagtggct attgagatga 300  
tgcaaaccac atatgcatct gttcctcagc tcaaatatat gcaaatggat gttagagata 360  
tgagttactt tgaagacgat tcctttgaca ctattattga taaaggaacc cttgatt 417

<210> 18402

<211> 486

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-013-Q1-E1-G8

<400> 18402

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ttctaggaaa aatccgatac 120
tctttggaca gtctatggcc accgatctct acggcgatct ctttccgggt atcacttcgt 180
cactacacat ttgcttcttc cgttttcgta tcggatcgaa tactattcat ctttcttcga 240
atcgggtttc tttgaacctt tgaagctatg ggtgatgcaa tcgatttgag tggagatggt 300
ggcgtcttga aaaagattgt aaggagtgcc aaacctgatg ctatttcacc ctctgatgat 360
cttcctgttg tcgatgggat gttcttaaga ttgactaagt gatcagggtc aatatattgt 420
tcactactg cttatgctac tctaattat atgtgttgat gaaggaccat aacctgttt 480
gatttn 486
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<210> 18403

<211> 495

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-013-Q1-E1-H2

<400> 18403

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acggccccgg tgntccccgaa gtcgaccac gcgccgtac agctgcgaag acgacagaan 60
gggggggtcg cagtgaccag gcccgggcga ctgtttacca aaaacacagg tctccgtaaa 120
gtcgtaagac catgtatggg ggctgacgcc tgcccagtgc cggaagggtta aggaagttgg 180
tgacctgatg acagggganc cggcgaccga agccccggtg aacggcggcc gtaacaataa 240
cggctctaag gtagcgaaat tccttgtcgg gtaagttccg acccgcacga aaggcgtaac 300
gatctgggca ctgtctcgga gagaggctcg gtgaaataga catgtctgtg aagatgcgta 360
actgctgtga ctactgaatg tgcttttgat gcattgaatg cggcgtcctt acttnaaaga 420
gaantnnaag atgcctccan anccgaagga aattcattgg aaaagaaant ttctgccttg 480
aaaagccaat taaat 495
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<210> 18404

<211> 489

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-013-Q1-E1-H6

<400> 18404

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ggggacgaag acaaaacaaa anaagcttcc cccaagaaca aaaagttagc atagatgaag 120  
agtcttcggg tttttagtgg tttgtaaaac agaaaaaaaa aaagagaaga agagatggga 180  
ggttgctggt gttgttcttc ttcacgaaga gctgatgtag ataatggacc tgcgtactac 240  
taccaagggt caacanaaga gcgtgtgcct ttatcttccg ctcataacag gacttcctct 300  
gcaatctcta ctggtgttgt antagtagac acaaacttag agacatcatc tcctgatgct 360  
tatataccac cgccactgcc tacccttttc gatgtgccta tagggattcc tcaaacacca 420  
gctagtgggt aagaggctac ttgtgttgat ataagagaag tttcggtgga ctctgcta 480  
accgagtct 489

<210> 18405  
<211> 409  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-014-Q1-E1-A10

<400> 18405

gaagggtagc gctgcgagaa gacgacagaa ggggggtggac caaaatcgtc cattgaagtg 60  
aacagtcagc atcgttttgc ttgcttggtc gtttctctcg aactctctcc atggctgttg 120  
cgcttcaatt cagccgatta tgcgttcgac cggatacttt cgtgcgggag aatcatctct 180  
ctggatccgg atctctccgc cgccggaaag ctttatcagt ccggtgctcg tctggcgatg 240  
agaacgctcc ttcgccatcg gtggtgatgg actccgattt cgacgccaag gtgttccgta 300  
agaacttgac gagaagcgat aattacaatc gtaaaggggt cggtcataag gaggagacac 360  
tcaagctcat gaatcgaaga gtacacctgt gatatatgg agacactga 409

<210> 18406  
<211> 496  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-014-Q1-E1-A12

<400> 18406

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acgtccgtac ggctgaagac gacagaaggg tacggctgcg aggagacgac agaagggtac 120  
ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg ggtaaaccga 180  
agaatcgaag atagaaacga caacaaggca gtttcttgct tcaattggct ggattcgcag 240  
ccggaaaaga gtgttggtt tctctgtttt ggaagcttag gtttgttctc aaaagaacag 300  
gtgatagaga ttgctgttg tttagagaaa agtgggcaga gattcttggt ggtgggtccgt 360  
aatccacccg agttagaaaa gacagaactg gatttgaaat cactcttacc agaaggattc 420  
ttaagccgaa ccgangacaa aggggatggg cgtgaaatca tgggctccgc aagttccggt 480  
tctgaatcat aanca 496

<210> 18407  
<211> 415  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-014-Q1-E1-A7

<400> 18407

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taagaccatg tatgggggct gacgcctgcc cagtgccgga aggttaagga agttggtgac 120  
ctgatgacag gggagccggc gaccgaagcc ccggtgaacg gcggccgtaa caataacggt 180  
cctaaggtag cgaaattcct tgtcgggtaa gttccgacct gcacgaaagg cgtaacgac 240  
tgggcactgt ctccgagaga ggctctgtga aatagacatg tctgtgaana tgcggactac 300  
ctgcacctgt accagaaaga ccctatgaan ctactctgtt cctgggaatg gcttttggct 360  
tttcctnccg cagcntnagt ggnaagncaa aaaacggccc cctccggggg gggnt 415

<210> 18408  
<211> 495  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-014-Q1-E1-B12

<400> 18408

aattttcttg cggggtctac cgggtcaagt atccccgggtc gacccacgcg tccgcncaaa 60  
cgtccgcccc cgcgtccgta cggctgcgag aagacgacag aagggtttcg agcaaaattt 120  
ctgagcaacg gcgacgatgg gagacaccgc cttggagaag acagcggaag agctacggca 180  
tgagatcgat gagcttcacc gtcaacagcg tgagattacg gagaggcttc gtgaccctcg 240  
tggactccgc cgtggagggt tctcaaactg cgctcctcgc aaccaaggcc gtagaggctt 300  
tcctcgacct gcggagagga atgacgtaga agacgagcct cctgctaaaa ggagattgtc 360  
ttccgcccgtt gttaagggtcg acggtgaaga tgtagtaaaa gatggagaat ttccagttga 420  
tggtaatgga acccangtta aagttggtga gaatgggact tctgatnaaa gtgacaaaaga 480  
aacaatctgg tcctc 495

<210> 18409  
<211> 404  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-014-Q1-E1-C12

<400> 18409

gacagaaggg gaaaatagcg tctttttttt ttcttccaac ctctctgtct ctctcccaaa 60  
ttcccagatt ctcatTTTTG cagagatttt aggaggaaca tgattgtttg aattgggaga 120  
gacattgggt cgtgtaaaat gcgggtgctt ggtttgagct caagcttatg ctctggtgag 180  
gataaggaag aagaagagat taatggagaa ggctctctca cgctgttta tctcaacgtc 240  
tatgatctaa ctctgtcaa caattatctc tattggttcg gccttggeat atttactct 300  
ggcattgagg ctcatggttt cgaatatgga tatggagctc atgagtattc ngagcantgg 360  
ggtatttgag gttgaancta aggagctgtc cangtttcat cttt 404

<210> 18410  
<211> 412  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-014-Q1-E1-D10

<400> 18410

caacacaaaa aaaaagtgtt aagagatcct tctccctctt cgaagatgag cggtacggtg 60  
aaggatatcg tttcaaaggc ggagcttgat aacttgccgc agagcggcgc accagtcgtg 120  
cttcacttct gggcttcttg gtgtgatgct tcgaagcaga tggatcaagt tttctctcat 180  
ctcgctactg atttccttcg tgctcacttc tttagggttg aagctgagga acatcctgag 240  
atatctgagg cttactctgt tgctgctgtg ccttatttcg tcttcttcaa ggatggtaaa 300  
actgtggata cacttgaggg tgcagatcca tcaagtttag ctaataaggt tggcaaagtt 360  
gctgggttct agtacttctg cggagcctgc tgctcctgca aagcttaagg tt 412

<210> 18411

<211> 459

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-011-Q1-E1-E7

<400> 18411

gcgtccgtac ggctgcgaga agacgacaga aggggatcat ctccacacaa aaaaaaaaaa 60  
aatgaacaa cttaattagc tctctcgaac tcacatctct tacacttgaa gacccatggc 120  
ctgctttcta gcctaaattt cctcgagaaa acaagcaaaa aaacacaaga aagctagaat 180  
cttattttct tcttggtctt tcttggtttc ttcaactttt tcttaaaaac gttttcaaaa 240  
aatcatgggg aaccggagaa aaaaccctga agaacttcca attacatcgc aaacaatcag 300  
tcnaagtcna agatgttcca aaagggtgtt taaccattaa agtgggatng caaggagaa 360  
gagcaacaga ganttaacct tcctggtttg natttaanca tccaatggtc aagcaactcc 420  
cgaaaagaaa ccnaagacca atttgggatc catttaaaa 459

<210> 18412

<211> 457

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-011-Q1-E1-E9

<400> 18412

agaaggggga gaagagatcg agagaagaat agtttgatca tcttgtggga aaaataatgg 60

ctgcttcant gatgctatct tcggtgacat tgaaaccagc tggtttcacg gtgganaaga 120

cggcggctan aggattaccg tcgctcacia gagctcgccc ctccttcaaa attgtcncca 180

gtggcgtcaa naatatcaag accgacaagc ccttcggaat taacngcagc atggacttga 240

nggacngcgt ctacgcctcc ggcataaagg gcatgggata cgggtgtttac aantacgtcg 300

acaantatgg agctaacgtc natggataca gtcctattta caacgagaac gagtggtcag 360

ccaatgggtga acttgtacaa gggaagantc accggantgg caaatttggg cggtaactct 420

ccgccngnaa ttcttgccgg angtgccctt cttgtgt 457

<210> 18413

<211> 517

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-011-Q1-E1-E4

<400> 18413

ntgtcttttg ggtcgcccg tccggaccat aacggggctg acccacgcgt ccgcccanc 60

gtccgtacgg ctgcagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg 120

cggctgagag aagacgacaa aagggtacgg ctgcaagaag acgacagaag gggttcactn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnng cggccgctct anaggatnca agcttacgta 240

cgcgtncatg cgaacttaat aactccttca atatgtcacc taatttcatt taacnggccn 300

tcgttttana acttcttaac tggaaaaacc ctggcnttac cnaacttaat ccccttgcag 360

naaatcccc tttcgccanc tggcttatna ccaaaaagnc cncaacnatt tccccctccc 420

aaaattttcc nancctgant ggcaaattgg aacccccctt ttaccggggc atttaanccc 480

cggcgggntt ttgtggntta ccccccaacc ttaaccg 517

<210> 18414

<211> 494

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations



<223> Clone ID: LIB35-011-Q1-E1-F11

<400> 18414

cgggggtcggc ccacgnttcc gtangaagcg aggacgacan angggggncg acnttttttc 60  
tcncacttac ccaagaaaag cttttttcgc gttttccacc ggnaaccacc gtcaccttna 120  
accgccggng ccgccgcaag gaaggetcat catccgccgt ggcaattttt tgaggtgtac 180  
aangcattgc ctatttgang aaccaggaaa tggttaaaag gcatggatag ttttgnttta 240  
caagatatat cangtcgcan tgcataagcg gtttcaagca tgtatgctcc tcttttttcc 300  
ggtgttttga tatcgatatt tacagacaat ctgggaggcc ttggtgaccc tgaacttctt 360  
gcgaganaga cagtttttag cgtgagtga atanaggctc nctatgagct gtttaanaaa 420  
atcagcagtg ctgtgantga tgatgggcta ataaacaagg aaaaanttca gttanccttg 480  
ttcaagacaa ataa 494

<210> 18415

<211> 518

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-011-Q1-E1-F12

<400> 18415

tngcccggcc gtccggaaat caagggtcga cccacgcgtc cgtacggctg gaagacgaca 60  
gaaggggaag gcatgaaaga ggcaactaat ggctatgatg agagcagaat cttgggccag 120  
ggaggtcaag gaacagtcta caaagggata ttgccggaca aactatcgt tgctataaag 180  
aaagctcggc ttgcagacag tagacaagta gatcagttca tccacgaagt gctcgtgctt 240  
tcacaaatta accacaggaa cgtggtcaag atcttgggtt gctgtctaga gactgaagtc 300  
cccttggttg tctatgaatt cattaccaat ggcaccctt tcatcactt gcacggttcc 360  
atttttgatt cttctcttac atgggaacac cgcctcagaa tagcgataga agtcgctgga 420  
actcttgctt atcttcactc ctctgcttct attccaatca tccatcgca tatcaaaact 480  
gcaaatattc tcttgatga aaacttaact gcaaaaant 518

<210> 18416

<211> 504

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-F4  
  
 <400> 18416  
  
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 angangacga cagaagggggg acatggtgga atgtatancc gttatgatgg aatttcatta 120  
 ccgtgggatg aacacgccgt gactttcttg accggaggac tgggtaaccg aagcacaggg 180  
 gataatttca atggagttcc aaatgttgat cacactcagc attttgtag gaaagatata 240  
 attggatggc ttcgttggtt acgcaacacc gtcgggtttc aagatttccg ttttgacttt 300  
 gctanggggtt attcagcaga ctatgcgaag gaatacattg gcgcagcgaa accattattc 360  
 tcggttggng aatgttgga ttcttgcaat tacaatggcc atggtctana ctataatcaa 420  
 gatagccata gacagcgtat aatcagttgg atcatgacgac gggacanatt tctgctgcat 480  
 ttnacntcac aactaaagga aatc 504

<210> 18417  
 <211> 414  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-F6  
  
 <400> 18417  
  
 cacttttagca cgggtgcgaca agatggcgag ctcaagtgcg ctgcttctat ggagtcttct 60  
 tcttctcggt aactaagcg ctattcaggc caaaaagtct aaggaaaact taaaggagat 120  
 cacacacaag gtttattttg atgttgaaat tgatgggaaa gcagctggtc gtattgtcat 180  
 ggggtctatct gacaagacag tccccaaaac tgtagagaat ttccgagctt tatgcactgg 240  
 ggagaaagga atangtaaga atgggaangc gctccattac aagggaatt catttcatan 300  
 gatcatacca agctttatgc tccaaggang cgattttaca catggaaatg gaatggggaa 360  
 gagaatctat ctaaggtgan aaatttgctg atgagaactt caaactcaan catt 414

<210> 18418  
 <211> 425

<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-F8

<400> 18418

aagacnacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgaaagacga 60  
cagaangggg acgagaaaat ccagatcggg aatcaactta gagaagaaga aaattaanan 120  
agagaacttc taaagatgaa tttgggggttc ttagttggag ttttcggcgt tcttattctt 180  
tctcatgccg cttattcaac aatccantat anaggattgt tgangattat ggaggaagag 240  
ttttctcgac caccgattaa tgttattctg gagttgatca ttggactagc tctgtgtatg 300  
tgggttgctt tgactttccc tggcaaattt ctctcgattc atccggattc tgatgaaaac 360  
agggcggtgt tttaccanat aantcggatt catgatattc aatcaccgtn acagactgtt 420  
ccaac 425

<210> 18419  
<211> 509  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-F9

<400> 18419

aactggtttg cttgcgccta ccngtccgga aatccagggg tgcaccacg cgtccgtacg 60  
gctgcgagaa gacgacagaa gggggtcgga gattaccaac aagagctctc tccaatcgtc 120  
gtctctttga tatatggcgt ctgagcctgc aggtggcagt cctcctaaac cttgggaaaa 180  
agaaggaaat acatctggtc ctaatccttt caggcctcct tctaatacta gcacggctgg 240  
ttcagttgag gcttctggca cagctaattc tggatgaagta ntctctccgc ccgtgaacag 300  
gcctaataca gctgctaata tgaattcact cagtaggcct gtaccggcta gaccttggga 360  
acagcataat tatgggagca ctatgggggg gaggttatgg ttcaaacta agtatgacct 420  
ctgggtatgg gtcangtaca tatggttcaa cattaagtgg ggtatgggtc ancatatggt 480  
ggtgggatgt atggaagtaa taacatgtn 509

<210> 18420  
<211> 496  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-G2

<400> 18420

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ggggcgaccc caggtcaggc gggattaccc gctgagttaa agcatatcaa taagcggagg 120  
aaaagaaacc gctagttctc aaaaacaaat cccaagatg gcatgagcag ttgcagtgtc 180  
ggtgcctcaa cttcaaggga agagtgactg tggcttcagt taagaatttc cagcttggtg 240  
cagagattga cgcttctttg gatgcgccgc ctgaagaaca tgagaggggtg atcttacagt 300  
ttggcaaaat cggttaaggat attttcacca tggattatcg ctaccctcta tctgcttttc 360  
aagcctttgc tatatgcatt aacaacnttg acaccaaacc nggcatgttg aanggtaaac 420  
ctttaacca cagagtttaa tccatcccct gcaaattccat ccatanaaan gggntttcca 480  
aaccttaagg gtttna 496

<210> 18421  
<211> 510  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-G4

<400> 18421

agnaatttgt ctgcccgtc tntcgggana taangggtcg acccaccctc tcnttacggc 60  
tgcaagacga cagaaggggg gggtcgcagt gaccaggccc gggcgactgt ttaccaaaaa 120  
cacaggtctc cgcaaagtcg taagaccatg tatgggggct gacgcctgcc cagtgccgga 180  
aggttaagga agttggtgac ctgatgacan gggagtcggc gaccgaagcc ccggtgaacg 240  
gcggccgtaa ctataacggt cctaaggtna cgaaattcct tgtcgggtaa gttccgaccc 300  
gcacgaaagg cgtaacgata tgggcactgt ctcggagaga agctcgggtga aatagacatg 360  
tctgtgaaga tgcngactaa ctgcanctgg acagaaaaga cctatgaaga gatttggggg 420  
gacgtccaag ttgcattaag ccgtgcntac aattcctgtg tcataataat ttgaacatgc 480

tctaactgtt ancgtttgat gaatgacaaa

510

<210> 18422  
<211> 415  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-G5  
  
<400> 18422

aatttgcanc agagattcga gatccggcaa agaaaggatc caggatttgg ttaggcactt 60  
ttgagagtga tattgatgct gcaagggctt acgactatgc agcttttaag ctcaggggaa 120  
gaaaagctgt tctcaacttt cctttggatg ccggaagta tgatgctccg gtcaattcat 180  
gccgaaaaag gangagaacc gatgtaccac agcctcaang aacaacaaca agtacttcat 240  
cattgtcatc aaactaatgg gggaatagtg atgtttaatt agtatatata ngttaatatc 300  
ttaagtatgt gaaacgtcat gtatagagcc aagaacctgt tagactaatg tactgaaaag 360  
aactcttgca aaatatgtac tgaagaattc ctgtaacaat ggaacttttg cnttt 415

<210> 18423  
<211> 507  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-G6  
  
<400> 18423

gtcngttggc cgctctaccg gtcanganntt cccgggtcga cccacgcgtc cgtacggctg 60  
cgagaagacg acacaagggg tacaacacca tggaagtthc actaagcaac tgaggcatta 120  
catttctgag ttcgatcca anatattgcg gagatgcgca aaaccaaggt cacatgaagc 180  
aaaaatcctg atagaaaagc agagtttagc tctttttggt cctgaggaaa gcagcaaaga 240  
gagcattgtg acatcgtttt cttagcctgaa gaggttgctt cttgaggctg tggcgtttgg 300  
tacgtttcta tgggacgcag angagtatgt agatggcgcg ttttaagctca angagaatga 360  
ngatgcagat gaagaaacaa atancaattg tttgaagtat gtatgaacca gtttgcctag 420  
aanaaaactt gaatatcctt tttggtggac attgcatata atatatagat taaatcaggg 480

tcaatngcca tatgaaanta atttttg

507

<210> 18424  
<211> 432  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-H1  
  
<400> 18424

gacgacagaa gggatggatg agctgatcaa gtcaatctct ctgatagcta agaactttgc 60  
ttatgtcccc atgctttcac gaactcatgg gcagccagct acgccaacaa ctttggggaa 120  
agaaatggcg aattttgctg tgaggttaag cgaagaaagg agatatcttt cagaaactaa 180  
gattaagggg aaatttgcag gtgctgttgg gaactacaac gcccatattt ccgcatattc 240  
gaatattgac tggcctcatg tttccgagga gtttgttact tctcntggat taacattcaa 300  
cccatacgtg actcagattg aacctcatga ctatatggct agacttttta ataatatcaa 360  
gccagttcaa cactatttta attgaatttg acagagatat atggagctac atatctccan 420  
ggtacttaaa ca 432

<210> 18425  
<211> 502  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-C1  
  
<400> 18425

gaatttgtct ggctcgcccc gtccgganat nangggtcga cccacgcgtc cgtacggctg 60  
gagaagacga cagaaggggg agtttgatgc agacatgctc aagatacgta atgagtctgc 120  
aatcagtgtt ttatatgggg atctcccag gcaatgcaca acctgtggtc tacgcttcaa 180  
gtgccaagaa gagcacagta agcacatgga ttggcatgta accaagaacg ggggtgtcaa 240  
gaaccataag cagaaccctt ctcggaatg gtttghtaagt gctagcatgt ggctcagtgg 300  
tgcagaagca cttggagctg aagcagtacc agggttcttg cccacggagc caacaacaga 360  
aaagaaggat gacgaagata tggcagttcc tgcagatgaa gaccaaactt catgtgcatt 420

atgtggtgaa ccatttgaag acttttatag tgatgaaacc gaaggaatgg atgtcaaagg 480  
tccgggtata catgaatgct cc 502

<210> 18426  
<211> 530  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-C10

<400> 18426  
  
antggtctgc ttgcgcccgc cgggtccggga aatcaagggn cgaccacccc gtccgtacgg 60  
ctgcgagaag acgacagaag ggggctaact cccaaaaaaa aaaatggngg cgtttttgca 120  
aacgaacatc agtctgaatg cgatcaagat cgtcccgggg aaatacagtt ctctcaccga 180  
tcatcagttt cgtgcgccgt atcgaattag gtgcgccgcc gcttcacctg ggaaaaaacg 240  
gtataacatc gctctgcttc ccggagacgg tatcgggtcca gaagttatct ctgttgctaa 300  
gaatgtgctt cagaaagctg gatctctcga aggactggag tttgatttca aggagatgcc 360  
tgtcggagga gcagccttgg ntttggttgg agttccattg ccggaggaaa ctttcacggc 420  
tgcaaaacta tctgatgcca atcttcttgg agctattggg aggggtacaaa tgggacaaga 480  
atgagaaaac atctgagacc tgagatggcn ctgttttacc ttaaaagaga 530

<210> 18427  
<211> 525  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-C11

<400> 18427  
  
gtctcttgcg cncgccgtcc ggaaaatcaa gggtcgaccc acccggtccgt acggatgcga 60  
gaagacgaca gaaggggata acggagatct gcanngtaga aatancgaag gagagaaaga 120  
gantgcatag tcgtgcatgt cgatggcgat naaagcngga aangtgtna gaacggnnac 180  
tgctgctgcn aggaagttcc aacagaaaca nttctcagcc tcatcttcgg cgtttccaga 240  
gccaccaccg gtgtctccat ctccgggtgt angagcattt ctgggtattc ccaagattat 300

tcgctcggaa tccgatttat tactctccaa gtacatcann attgcccang gtcnattgac 360  
 taagaanggt gattacacag aggagaagct anataaaatg ttgtctgggtg aagacagggt 420  
 atggatcggt gagaccatna agttactcga tggctncaac actggactag tatcntctaa 480  
 aaaaccaaac tccggtcgat tcaaaaagtg attcctctgt ttcca 525

<210> 18428  
 <211> 453  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-C3

<400> 18428

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 taaaagttta gtgatcgag gcttctcgat tttctctctc ttctctcact tgaatttttc 120  
 agagaaagaa aaagcgattc atgacaagac tccgtccaac atcggtcggc ttctttaacg 180  
 acgatggttg gttcgtttcc agcatcaatt ggcttcttta gtgggtgggtg ctggcttttg 240  
 tatccggacg tggtcgggtt ttgccgtctt atctcgccgt ctgatcggtg ctgttctgga 300  
 gaaatttaga tcaaatataa actctggata ttgtggagca nagagtcaga ttacaagcg 360  
 tgatgagatt gtcgtanagg aaatggtggg ttatccggat tgatggtggt gctgggagat 420  
 aacgatgaaa caatcatcgg cgttagaaaa aaa 453

<210> 18429  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-B7

<400> 18429

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 ggagaggaac ccagtcctcc accggagtat gaaacttggt taggtgactt gtacagtgtt 120  
 gcttggtatg aagatagtgg tatgcacaat ttacagactg anactctgca ccancantat 180  
 gaacttggtga aaaggatgac tgcacctgtt ggggtactctt atgggttctca tgtcatgcaa 240



tatggcgatg tangaattag caaggataat ctcgatcttt atatgggaac aaaccctgcc 300  
aatgacaatt ttacctttgc ggatgcnant tcactaaagc cancttcaag agttacanac 360  
caacgtgatg catatcttgt ncatttttgg gaaaatnccg aatngcacca naaggttcaa 420  
caaga 425

<210> 18430  
<211> 439  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-C4  
<400> 18430

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aacgtaatag atgaggttct tggaacttgt gagatttttg aggaaaaaca agttggtggg 120  
gagagattta atatattcag tggttgcctt tcaggacgaa cagcaactat tgttctccgt 180  
ggtggagctg atcagttcat cgaagaagct gagcggagtt tacatgatgc gattatgatt 240  
gtgagaagag ctgtgaagaa ctcaactgtt gttcctggag gtggagctat agatatggag 300  
ataagcaagt acctgaggca gcattcagga acaattgctg ggaaatcaca gcttttcac 360  
aactcttatg ccaaaggctc caaaagggtta ttccacgaca ntccatgtta ataaaggctg 420  
gatttgatgc aacctgacn 439

<210> 18431  
<211> 454  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-C6  
<400> 18431

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angtgggtgg agaccattac cgccacctcc gagaggcggtt aaccaacaac ctccctcgccc 120  
taaacctgaa cctgtcgatc gtgaaaagac atgtcncctt cttcttcgtg ttttcaccaa 180  
naagtgggtg tcatcatact aagtgaagan tatgctgtga gaggcaaaga accaaaggat 240

gaagttcaaa tctacacttg gaaagatgcc aatcttcgcg aagctaacan gtttggttaa 300  
 aagaagtttc tggtancanc taaggagaaa ggaatgccta aaattgtcct tttgccgttt 360  
 tgtttatccc taaacaaata aaanggttgg ctataaatgt naagaanaag gtttggggga 420  
 aaacgaatng gctttatcca aaanccgaaa aaac 454

<210> 18432  
 <211> 454  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-C7  
 <400> 18432

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 gaaatcgann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 ngaaaccatt tgatcgatct ctacaggttac ttagaatggc acaagaagcc gatgggatca 180  
 gattggacca aagacatggg aaggctcgag tgagagttgg aagagtttgg cgatcatgctc 240  
 atgatggatc tcatcacttt gttgaatgga atgttagcat cagtcttctc tctcactgtc 300  
 tctcttctta ccgtcttgat gataactctg atattgtcgc cacagatacc attaataaca 360  
 ctgtttatgt gaaagccaan gaatgtggan atcggctctc cgtggangaa nttgccatac 420  
 tttattggga aaacactttg ctcatcttaa ccac 454

<210> 18433  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-C8  
 <400> 18433

ggctgcgann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 acgctttctt cgatcgatga ttgattttt tcccttctt cttatttttc tcggttgaag 180  
 tanaagataa agcatcgata catgatggct gattgataag agttttctcc ggagaggttc 240

ggaggtttttt tttagaaagg aaacattaaa aanatggca gtctcttttc ctctgtcttcc 300  
 gangtggttg tgtggtggtg gtaacactaa agatagagaa gaaagaaaga gtcaattcct 360  
 aaangatctc ctcaacttaa tccntcactg aaagaagact actactanta agactgggtc 420  
 ctccc 425

<210> 18434  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-D2  
 <400> 18434

aagacgacag aaggggacct cannnaaanc atcgaaatct tanagaanaa nanaanaana 60  
 agaagagaaa tgacagagaa gaaagagatg gaagtgggtga aaggggtcaa cgtggagaga 120  
 tacatggggc gttggtacga gattgcttct ttcccatcan ggtttcagcc aaagaacggc 180  
 gtcnacactc gcgccaccta cacccttaac cccgacggta ccatacacgt cttgaacgaa 240  
 acgtggagca acnggaagag gggttttatc gaatgcagcg c 'aacgc cgtattctaaa 300  
 ngcgacgaag ccaatctcaa ngtcnagttc tatgtccctc cttt ' tccc 360  
 gtcaccggag actactgggt gctctacatc cgattctgac taccaacang ctctcaat g 420  
 gcatcccttc aa 432

<210> 18435  
 <211> 494  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-D3  
 <400> 18435

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 ccgcccacgc gtccgtacgg ctgcaagacg acagaagggg ggtcagatca cgagagacga 120  
 ttgtgcctac tatctctacg cgtgaaacgc acgctccgcc aagcagagag aaagagttgg 180  
 attctgtagg tgactgtgtc aggcgttga tgtcacgcgc cagagtttt gcgtgtgtgc 240

tttggaggga tcgatccatg gctgggactg gagagaagac aaaagatgaa cattagcata 300  
 acaatgaata ttagggcagg aaatcgaagt actagaaagc tatattgcgg gcaagcgata 360  
 ttagggaatt gctgattttt ttctaataaa aaatcggatg atgaaaatat attctataac 420  
 ttaattgtaa agcatacgta ctcaagatta aaaacnctg tnnncnaaan aaaaaaacg 480  
 ggcgtccan aaga 494

<210> 18436  
 <211> 460  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-D5

<400> 18436

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 tacggctgcg anaagacgac agaaggggct tcttcacagg atcagcaatg aatatagctt 120  
 cgaggattcg acgaagtttt ttaagagaga agaaggaatc ttcagatggg aatagcttga 180  
 ataatggatc gagtgttaag gaagaaggta aagatgagat tttgggagtt actgatgagt 240  
 taatcgatca tgtcagatcc ttcaccattg atacgtttta gaacttctct ctggaagatg 300  
 aagaagaaga agtatctgtg aatcctttgg gagatgaaga taatggaatg agttcatctg 360  
 caaatgtgaa gaaggatttt gtctgattgg cangagaaac acgccgggtc tccgtgttat 420  
 ccgaaatccn aaggaactct cacagtttga gantcaagtt 460

<210> 18437  
 <211> 456  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-D8

<400> 18437

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 tagataatag tagaacgaaa aaaaactctt tgtagagaga ttctgcttct atatggcttt 120  
 ctcttacgca tcattctcta tacccttcaa tgggttcgct gcaaaccgt ctccgattac 180

ttccgctttt ctcggcccat cattgagatt ctccaccaga acatcaaaaa ctcggaatcc 240  
gagtaatggg gtttcagtga aatcgtcaaa tagtcatagg tttctagtca aatctaaaaa 300  
tttcagtgtc tatgcaangg ctgcagcaga gaagtctgtt cacgatttca ctgtaaagga 360  
catcgatggg aatgatgttt ctctggacaa attcaaagga aaacctttgt tgatcggttaa 420  
cgttgcgctca agatgtgggt tgacatcatc aaatta 456

<210> 18438  
<211> 526  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-E10

<400> 18438

acggttgctt cgccgccgtc cggaaatcaa gggtcgaccc acgcgtccgc ccacncgtcc 60  
gtacggctgc gagaaacgac agaangggaa gaaggatctg gttatcgaaa gccacgacgc 120  
ggcgtttaaa gtcaaagccg gtgaaatgct ttacggttat caaccgttgg cgacgagaga 180  
tccgaagatt tttgatcggg cggatgagtt tgtgccggag agattcgtcg gggaagaang 240  
agagaagctt ttgaggcatg tgttgtggtc gaatggaccg gagacggaga ctccgacggg 300  
ggggaataaa caatgcgccg gtaaggattt tgttgttttg gtggcgangt tgtttgtgat 360  
tgagattttc cggcgatatg attcgtttga tattgaggtt ggtacgtcnc cgtaggaag 420  
ctccgttaat ttctcgtcgt taangaaagc tagcttttac gagccaaggg taaatttgta 480  
attgtatatg ttcgcanctg tgtagtccat ccgttttcct gttcca 526

<210> 18439  
<211> 493  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-010-Q1-E1-G4

<400> 18439

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cataaaagag gaaattcaga ggattaaggc gaataatcca gacataagcc acagagaagc 120

attcagcact gctgccaaga attgggcaca ctttctcat attcactttg gtctaattgct 180  
 ggagagtaac aagcaagcta agatagccta ataattctcg agattaatgg taatataagt 240  
 gttggagact tcgaagtaac aagagctgag aaggcaacta tatgtattgt atgatctttg 300  
 gaaccgtatg tatgtaagtg aagatgtcta tctttaaaac catctatagt tataatntag 360  
 taaaagcttc ttttaattta attctatggc ccttggttga tggttcgtct cacaagattt 420  
 atgagttcct tcggatatat gaatnctaaa ttaaaaatat gttatcctat attatggtaa 480  
 acctatccta tac 493

<210> 18440  
 <211> 508  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-010-Q1-E1-G5  
 <400> 18440

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 ctgcgagaag acgacagaag gggggagaaa aggagatgga aagaaaaaag ttttcttcaa 120  
 aatttattca tttgctcatt gtgtttttgc ttctttgtac gtttctttct cgtaccgaat 180  
 ctgctcttcc ttatcaccat gaactgttct tggggaggaa gcggatgaat tattataagc 240  
 ccaacagtgc cataggaaca ccatcatcaa ctagtgacca cgctccaggc agtaatggga 300  
 ggaagttgat gagtatatat agaccaatg gagacatatt tacaggacca tcaggcagtg 360  
 ggcatggtgg gggtcgcact ccagccccct agtatatata tattaatgtg taatcaagga 420  
 ctcacaggcg aagcttttaa ttctcgatca cgtataacgt atgcgttggt gtantatagt 480  
 ttaattccgt ttcacaagcc aagttttt 508

<210> 18441  
 <211> 471  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-010-Q1-E1-G8  
 <400> 18441

ctatggtcaa acntcccggg tcgacccacg cgtccgcaca ancgtccgcc cacgcgtccg 60  
 tacggctnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaagg aaacttgaca 180  
 gtaatgaaac ttccggtggt accaactaaa cccaacactc acagccactc tatgtcatca 240  
 ccaattcaca gttccatatc agcttcagtt cccttttagct gggaagaaga gcctggcaag 300  
 cccaagcaac actctacntc ttcntcntn ctcttcctct cctcaacatt taactttctta 360  
 gtectcanct ctttgaact cacaagtcct taaangctnt caccaagggt tcacttactt 420  
 gaaaaanntg ggggatnagt naccaaaact naatccgcct ataanaatcc t 471

<210> 18442  
 <211> 511  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-010-Q1-E1-H1

<400> 18442

gttttttttg gcngccccgg tccggaaata nangggtcga cccacncgtc cgtacgggaa 60  
 aagacgacag aagggagaag gaccaatcta taatagctga aattagattc aaccatgac 120  
 atgaatgggt gatgagcaaa tatagagaag tcattgagtt ctggagaaat gaacgagaag 180  
 ctgggtacac tcctgaagaa gaacgttgga aatgtcggta ttgccaatth gctaagtctt 240  
 gccctggaaa cccgagtttc gaatctccta gcacaagctc accaacaaga gaggtcctc 300  
 ctttaccaag ctaaaaagaa gatgaaaagt tgatcctttc accgaaagct gctaaatgct 360  
 aacatatatg tttgtgttgt cttaatttc cacatttggt tcccttaaatt tgcatagcag 420  
 ttaagtgatt aaaccgtggt ttgattagggt ttgggtaagc gtancaagat tganttgctc 480  
 cgggatnccc caatttgata atgtgtatcc g 511

<210> 18443  
 <211> 495  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-010-Q1-E1-G2

<400> 18443

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cagaagggggg gagaagtaga aatcgataaa ggcaagaag gaatcgcaag gaaggaatnn 120  
ntctgagagg aagatcatga tcctagctgt gttgttcgcc aattccgttg ggaatgtttt 180  
aatcgaaagg ttcaatggag taccagctga ggaacggctc cgctggcgat ctttcttggt 240  
taagttggga gcagataatc tcaaaggcgt taaaaatgag gagcttctcg ttgcttgcca 300  
caagtcgggtt tatatcgtgt acacaatgct aggggatgtt agcatcttcc ttgttggtcaa 360  
agacgagtat gatgaacttg ctttggcaga aaccatctat atcataacag cggctgtgaa 420  
agacgtatgt ggaaagccgc ctacaaganc cgagtgtttt tggataaata tggaaaggat 480  
ttgcttgtgc cttga 495

<210> 18444

<211> 491

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-010-Q1-E1-H2

<400> 18444

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ttatttgctc tgatcttttg attcaacggc tcccggagac gacggaagca atgcagttct 120  
tcggtggatc tgagattagt ccgtcgccgc cagttccgac ggcgagtgga aacaacgcgc 180  
acatgatgta cgttttcaat cgtaacgggtg tatgtcttcn ctacaaagaa tggaatcggc 240  
ctcttcatac acttaatcct cagcaagatc acaagctcat gtttggctct ctcttctctc 300  
tcaaattctc caccgctaag atggatccaa gtcaatgcgg ataaaggaaa tcttgggggtt 360  
ccacagttgc cangacaagg ttgctctttc cataagtttc cgtacgaata cttacaagct 420  
aagtttcatg gagactccct ctggtattaa gattatcctt agtanctcat ccaaagaacc 480  
ggaganttac g 491

<210> 18445

<211> 504

<212> DNA



<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-010-Q1-E1-H3

<400> 18445

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ctgcgagaag acgacagaag gatacggctg cgagaagacg acagaagtag aagaaaccaa 120  
agcgaaatca aaaagctcag caattttcca gatttctcta attgacgatg gcgctttgtg 180  
ctactactca aaggactatc cgtatagcgg cgacgcctccg gcgtgttgct cgacctttcg 240  
ctactgacgc ggtggttgag tcggattaca agcgtggtga gatcggttaag gtctccggaa 300  
tcccagagga gcatctttct cgcgagggtga taatatactc acctgctaga acagctaccc 360  
agtcaggatc tggaaaactc ggaaaatgga agattgactt cgtctccacc ttaaagtggg 420  
agaatccgtt gatgggatgg acntctacag gtgacccta ngcnaatgtt tgggtgactcn 480  
gctcctgcct ttgaatttga aaaa 504

<210> 18446

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-010-Q1-E1-H4

<400> 18446

agaagaagaa aaaacgaagg agaagaagaa caatttcgcg gattcaagag acagagagct 60  
tcttctgcgt aaagtctgat ctttgaaaat gacggaagaa ccagagaagg tgtcttcttc 120  
agtattacat caaccttctg gtgataagaa acctgaagat gttgggatca aacctcagga 180  
tccagcgtct tcttctgggt ttcgagctta tcctaattggg gattctccaa tgtaccgggt 240  
tttttatccg ggtcttggtc ccggatccaa tcctgtacag tacgaggaac aaatgaaccg 300  
tggagctggg atctatgcgg ttctgttca tcaatttgga ggacatgtcg ctggtcttcc 360  
ctcaaattat cttatccctc tcacttacia tgttccaacg actanaccaa ataatgaagc 420  
tgaga 425

<210> 18447

<211> 455  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-A1

<400> 18447

gcgtccgtac nanctgcgag aaacgacaga aggggggaaac aaagagatta gaaactacgg 60  
agagaaagag agaagatata tagccatggc aatgaagtca gtttctacct tggccggtttt 120  
tgccatcctc tttttgggta tcgttgaaat gccagagata aaagcgcaag gtagcaagtg 180  
tctgaaagaa tatggcggtg atgtgggttt cagctattgt gcgcctagga tatttccgtc 240  
attctgttat cggaactgcc gtaagaataa gggcgcggaag ggaggtanat gccgttcggg 300  
angggcagga gctggtagta tgatatgttt atgcgactac tgcagcgaca aaccttaaata 360  
cagatcggtta aacgtttttaa cctcaaaacg catgagtatt gcnacctgtn ctaangtnca 420  
anggtttgta acttgtgtan taataaagtg aatgg 455

<210> 18448  
<211> 506  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-A12

<400> 18448

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gggagaagaa gaaaaatcga tggcggggat actagtgaac aatatcctcc ctcaacctcc 120  
gattctccga tcgctttctt cttcttcgag aagaagttca attcgaacct tagttatggt 180  
caaagcttct tcctctgaac cttccgagtc tgtttcagtc tccacgaaga ccagtgcga 240  
cactggagct gttgttgtgt tcaactgctc tcctgggttc aagccaccgg agccaaaacg 300  
gttcgccgtc aaatccgga aactcttcga tgtcttgggt gcagcaattg gattgttttt 360  
ccgattcggc actggtgttt tcgtttctgg gtactctgca tcttttgtgt ctaaggaaga 420  
gattccagct gatcagtatg cgttgcgttt angcgggatt acggtaaagg aaactgctaa 480  
ngtccggccn cgtcctgaga aaccaa 506

<210> 18449  
 <211> 493  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-A4

<400> 18449

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tggnacgccc ggtccggaga taacgggtcg ncccacgcgt ccgtncnnnt ngcaagaaga   60
cgacagaagg gggatccatt catgctaaat ggtgcttagc ttaccacaag gagaactttg  120
cttacgagca ctgggatgac attctagaca tctgtaacca gtatgatgtg gctctttcca  180
ttggagatgg tctgagacct ggctccattt atgatgctaa cgacctgct cagtttgca  240
agctccttac tcaaggtgaa ctaactcgcc gagcgtggga aaaagatgtg caggtgatga  300
atgaagggcc agggcatgtc ccaatgcaca agattccaag agaatatgca gaagcagttg  360
gagtgggtga acggggcacc attctacacc cttggctcct tgactactga tattgcccct  420
ggatatgata acattacctc tgccattgga gctgccaata ttggagcctt ggttacaact  480
cctctttgct atg                                                    493

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<210> 18450  
 <211> 441  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-011-Q1-E1-A7

<400> 18450

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gcgtccgana agacnacana agggggagtt tgatgcanac atgctcaana tacgtaatga   60
gtctgcactc agtgctttat atggggatct cccgangcan tgcacaacct gtggtctacg  120
cttcaagtgc caanangagc acagtaagca catggattgg catgtaacca agaacgggat  180
gtccaagaac cataagcaga acccttctcg gaantggttt gtaagtgcta tcatgtggct  240
cagtggtgca taagcacttg gagctgaagc agtaccaggg ttcttgccca nggagccaac  300
accagacatg anggatgacg atgatatggc acttcctgca gatcgatacc aancttcatg  360
ttcattacgt ggtgagccat ttgatacttt atntgntnaa aaccaaggaa ttggtnttaa  420

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aaagttccgt naacatgaat g

441

<210> 18451  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-A8  
  
<400> 18451

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ccgaagtatt cccaagaaga ctggctacca tggtatgata ctttgaccga ttatgtgggt 120  
ccnaggtcct cgaagaaatt gtttgangat aatgagtatg ccctttacac cgtcactctc 180  
tttactcgtg tcgcagataa tttcatgatt gctgctcgtg aaaaaggatt ccaagtccgt 240  
gattttgaac aaagtgttga ancacaaana nactcgtaaa caaganctan caaagtttgt 300  
tcaagatnan gaaagtttga naaagctctc ttttgaatgg tgctacacca attatggana 360  
ggtttcantc ctggatcaat tctgtctgtg ntacattcnc tgatagcatt tgatatac 418

<210> 18452  
<211> 526  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-011-Q1-E1-B11  
  
<400> 18452

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gacagaaggg tacggctgcg agaagacgac anaaggggggt tgtgttcttg aacgagagac 120  
ctcagcctcg accaggcaaa ggtgtgatca atacttgtga agtctgttat cgaagcctcg 180  
ttgattcctt cagattctgc tctcttggtt gcaagatctc tggaatatcn aagaagaaga 240  
gaaaggaatg gacgaacaat ctttcggatt ctgatgattc gtatagcagt acgagtatcg 300  
gaaggctcaa gaagaatgat gacattatga ataatagttt cacaccatca acaccgcctt 360  
tatcaagccg tgaatcgtcg aattgcaaag cgaaggaagg gaatcccgca tcgtgctcct 420  
ttcggaggac taatcatana atactaagaa atggtannnn nnnnnnnnnn nnnnnnnnnn 480

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnn

526

<210> 18453  
<211> 499  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-008-Q1-E1-H12  
  
<400> 18453

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gacgacagaa gggggagaaa cgaaaattaa taanaaagag aagaaaagcc aaaagcttcg 120  
gtcgcgcaag atcgcttcat ttgtttctag agtgattcat ggattcttta aactactaat 180  
aatggatttt tgttggtgtc taatgaaata atgggagcag ctgaagcaag agcattgtgg 240  
caannaacag ctagtcgttg ctttggtgtt catgaggatg ctaagatggc tccgaggtta 300  
gcttggtgcc aacaccanca atcttcttcg ggcaacaccg aaaaaaacag cttttcttcc 360  
ggaagttttg gagattcctc tgatttctcc tgtgatacca aatggtggnt taaagggatn 420  
aactggtttt gatgaagaag ttacaaactc ctttcttga aagataccaa ntgcaagaaa 480  
tgcattgant tgcgactt 499

<210> 18454  
<211> 483  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-008-Q1-E1-H2  
  
<400> 18454

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agaaggggtac ggctgcgaga agacgacaga aggggattca cgaaaacaaa ccacataaac 120  
tagtcaaaga agaatagatg agttacatta taaaaaagtt caagtgcgag aaagagaggt 180  
ccaatggcgg agaaagaaga ggatgtgaag cttctagggt tttgggcaag cccttttact 240  
cgtagagttg agatggcttt caagctcaaa ggcgtgcctt acgagtactt ggagcaagat 300  
atagtgaaca agagcccttt gcttctccag ataaatccgg ttacaagaa ggttccgggt 360

cttgtctaca aagggaaaat attatccgag tcacatgttg atcctcgaat acatcgacca 420  
aatatggaag aacaatccaa ntcctcctca agattcttac gagaaagcca tgggctttat 480  
nct 483

<210> 18455  
<211> 445  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-008-Q1-E1-H6

<400> 18455  
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aagtggcgga gatggaggag atttgccgga aaatggaaga tgggcttgag gggttacaga 180  
gaagagttag agaagtgttt catangttgg tgaaaagcan aagtgaata cttgaagtga 240  
ttgatcactg attgtaatct ttttaactttg ttgttgtgaa aatttaatct ttgagttaac 300  
tcttttgatt aagaaaagag aacaaattac aggttttttn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420  
nnnnnnnnnn nnnnnnnnnn ntgcc 445

<210> 18456  
<211> 406  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-009-Q1-E1-A11

<400> 18456  
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tgaaagggaa agaatttgcg atcttgacgc tgttgacagct ttgttctgat agcgtagaa 180  
accgtgggtt gcttgtgagg gaaggcgcga ttcctccgct tgtgggcctc tctcagagcg 240  
gctccgtcag tgtagagct aagcgcaagg cagaaagact tctgggggtat cttcggggagc 300

caaggaagga ggcaagttca tcaagcccat gaaatgcaac catgtggagg ttcataatc 360  
 caatatgtat atactgagtg tangtttggt gggttttgta aaacnt 406

<210> 18457  
 <211> 375  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-A12  
 <400> 18457

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 nacagaaggg tacggctgcg agaagacgac agaagggtagc ggctgcnaga agacgacaga 180  
 agggtagcgc tgcgataana cgacagaang ggatanaaga aagagctccg tccccaaaaa 240  
 caaangaaac aaaaaatcan tcggcgaaac gggaagagat ctatcgaaa tcttacggcg 300  
 gccggaagtc atggcgaaac tanaatcaga agcagtcgat ttcganccan aggangatga 360  
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<210> 18458  
 <211> 552  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-A4  
 <400> 18458

gttgcttgca gcnaccgctc cggaatccan ggtcgacca cgcgtccgcc cacgggtccg 60  
 tacggctgcg agaagacgac agaagggtagc ggctgcgaga agacgacaga agggtagcgc 120  
 tgcgagaaga cgacagaagg ggatgtgatt gatctggaag atgactccat agacgctgaa 180  
 atcctcaatt ccatggcagt cactaatgaa catttccaca ctgctctcgg gaacagcaac 240  
 ccatctgcac ttcgtgaaac tgttgtggag gttcccaacg tctcttgaa tgatattgga 300  
 ggtcttgaga atgtcaagag agagctccag gagactgttc aataccagtc cgagcaccca 360  
 gagaagtttg agaaattcgg gatgtctcca tcaaaggag tccttttcta cggtcctcct 420

ggatgtggga aaaccctttt ggccaaagct attgccaacg aagtgccaaa gctaatttca 480  
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 cgtgnaaacc tt 552

<210> 18459  
 <211> 497  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-008-Q1-E1-G5

<400> 18459

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 ctcagcaatt ttccagattt ctctaattga cgatggcgct ttgtgctact actcaaagga 120  
 ctatccgtat agcggcgacg ctccggcggtg ttgctcgacc tttcgctact gacgcggtgg 180  
 ttgagtcgga ttacaagcgt ggtgagatcg gtaaggcttc cggaatccca gaggagcatc 240  
 tttctcgcaa ggtgataata tactcacctg ctagaacagc taccagtcga ggattctggg 300  
 aaaactccgg aaaatgggaa gattaacttc cgtcctccta accttaaaag tggggaagaa 360  
 tccgtttgat ggggatggga cttttctaac aagggtgaac tccctaattg cctaaatggg 420  
 tggggtgaac tcttgccctc ccttggcctt tttggaattc ctgaaaagaa aagcctgcct 480  
 aaaagttcct ttttggc 497

<210> 18460  
 <211> 466  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-A8

<400> 18460

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 ggccttgacg gaagagcatg ccagagacag ctttgagaat cttctcttta gcgtttgtcg 180  
 attcagagag ctcacaggct cttaccaca gaataataca gtagtgagtt atgattttta 240  
 ggaggagaga tttgcgcat tgcacgttc agcaatggga tttccggaat caagattttt 300



ctacttagga acaccagctt ctctatcatc caaagaagac gctctaaaag gcgaggcttt 360  
 gggttanatna caatttcaag aagattcata cggatgtgtt ggtcccccttg gcgtaagaa 420  
 nctgatcntg accctttcat aggactatac cttaccctaa ttgggt 466

<210> 18461  
 <211> 493  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-B12  
 <400> 18461

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 ggggaaatta aattcgattt ttgagacaaa gctcgacaag tcgtcggcgg cgggtgtaaaa 120  
 atagtcggag ctatggcgat gcaggccgga gttggcttat ccaggatctt tctcttagcc 180  
 ggagcagggtt aactggtac gatcatgatg aagaatggaa aattgtcggg tttgttgggt 240  
 gaattgcaga gtttggtgaa gggaatggag aaatctggag aaggggtctga gggagattct 300  
 gatgtttctg atgctatagc tgcacagggt cgccgggttg ctatggagat tcgacagcta 360  
 gtttcgcagc aacacataac ggtcatgaat ggagtttctg gtgcaaacct acaagccctt 420  
 gctgttcttg ctgcggcatt gggaaactct ggatatggtt atatgttgtg gaaaggacct 480  
 cattcactga cct 493

<210> 18462  
 <211> 506  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-B4  
 <400> 18462

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 aacaaattca acgatgaaga aaataagggt aagataacga ctaggacacg tgtccgcaag 120  
 ctagcttctg ctcgactcaa caaacgagcc atggagagga ggaactggcc taagtctgga 180  
 gacgcagcca atgaggaagc tggtagccat ctactatgg tttctaccga agagatcctt 240

ctcgaacgac cccgagctcc tggtagcaaa gcgatgaat caaaggcaac aggagatggc 300  
 ttgtctcagc tgggtaaagg tggtagcatt cttatgggtg gcaggatatg ccacaagaaa 360  
 ggagatcact ggacatcaaa atgtccatac aaggatctag ctgcaccaac cgatgtcttc 420  
 attgacaagc caccacagg ggaatcatct accatgtctg ctgcacctgg aactggcaaa 480  
 ggcgctatg tccgcctan catgag 506

<210> 18463  
 <211> 509  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-B6

<400> 18463  
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 gtttttagcc acacaccaga agacgacaga agggagagag aaaattcagc atttttgata 120  
 gctcaagcac ttgattcttt ccaaaggggt ttcctgagat cacaaggcc aagtaacaat 180  
 ggcgaaagga gttgcagttt tgaacagcag tgagggtgtt acggggacta tctttttcac 240  
 ccaggaaggc gatggtgtga cactgtgag tggaacagtt tctggcctta agcctggtct 300  
 tcatggtttc catgtccatg ctcttggtga caccactaac gttgcatgt ctactggtcc 360  
 acatttcaac cccgatggta aaacacacgg gtgnccctga ggatgctaata ccacatgctg 420  
 gngatttagg aaacatcact gttgggcgat gaatgnact ggcaccttca aanntcactg 480  
 ntttgccang attcctcctt accggganc 509

<210> 18464  
 <211> 533  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-009-Q1-E1-B8

<400> 18464  
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 ggccccgaaa ttttttagca aattctctac ctctatctct ctcttctctg ggaggaaaaa 120

tggagatatc ggttgcacgc gtaacaatat cagtagttct agctgttggtg tcatggtgga 180  
tatggagaac ttacagtggt gtttggttta agccaaagat gcttgagcat tacctgagaa 240  
gacaagggtct tgccggaaca ccttacacgc ctctagtcgg cgatttgaag aagaatttca 300  
ccatgttggtc ggaggcaagg tccaaacccc tcaaactaac ggatgacatc tcacctcgtg 360  
tcgtgcctta tcccttgcaa atgttcaaga cttacggaag gacttacttt acatgggtttg 420  
gacctatccc aaccatcaca ataatggatc ctgagcaaat caaggaagtg ttcaacaaaag 480  
tttatgattt ccaaaaaaaaa aaagnnnnnn naaaaaaaaa aagcgggcgc tcc 533

<210> 18465  
<211> 479  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-009-Q1-E1-B9

<400> 18465

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ggagagagaa tcaaaacaat ggccactgtg aaaatcnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntcat tcccaatgcg 180  
gcacctgcaa aggcggtgaa gttgcgattc aatggaaagt ccctgagagc aaaaccaatg 240  
gtatacagat catctcgctc cgttggagtc acctgctctg cttcatcttc tctgacgact 300  
cttccctctg ctcttctctt cgattgcgat ggcgttcttg ttgataccga gaaggacggt 360  
cacaggatct ctttaacga cactttcaaa gagagagatt tgatgttacg ttggatgttg 420  
atttatacgg cagttactta aaatcggtgg tggtaaanaa agatgactgg ctnatttta 479

<210> 18466  
<211> 550  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-009-Q1-E1-C2

<400> 18466

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gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac 120  
gacagaagga acttagcaga ttgtgcggtc gttgttgagg agctctgggtg gaggactttg 180  
gaaggtgcag ctttggattt gagctctgtg tctttctttg gagaagaaaa acatgagacc 240  
gctgttttga aatggggcacg agctagaaaa cgagctgcta aggttgggaa aggcttatct 300  
aaagatgaaa aggctcagaa attagctctt cagcattggc ttgaagctat tgaccacagt 360  
catcgttacg gccacaactt gcacttctat tatgatgtct ggtcagcgag caagagcaca 420  
caaccattct tttactgggt ggatataaga gacggcaaag atgtaaatct tgagaaacac 480  
cttagaantg ttctgcaaaa acaatgcac anatacttan gancgatggn gaanaaaagc 540  
atattaagtt 550

<210> 18467  
<211> 286  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-008-Q1-E1-E10

<400> 18467  
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ggatccaagg cttacgtacn cgtgcatgcg acgtcatagc tcttctanag tgtcacnaa 120  
attcaattca ctggccgtcg ttttacaacg tctgtactgg gaaanccctg gcgttaccca 180  
tcttaatcgc cttgcagcan atcccccttt cgccagctgg ngtagtagcg aanaggccc 240  
caccgatcgc ccttcccaan agttgcncan cctgaatggc gaatgg 286

<210> 18468  
<211> 432  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-008-Q1-E1-E2

<400> 18468  
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ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 120

gaagacgaca gaagggcgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngcg 180  
gccgctctan aggatccaag cttacgtacg cgtgcatgcg acgtcataac tcttctatag 240  
tgtcacctaa attcaattca ctggccgctg ttttacaacg tcntgactgg gaaaaccctg 300  
gcgttaccca acttaatcnc cttgcagcan atcccccttt cgccanctgg cgtaatanen 360  
aagaggggccc caccgattgc ccttcccaac aattncceaa cctgaatggc gaatgggacc 420  
cccctgttac cg 432

<210> 18469  
<211> 416  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-008-Q1-E1-D5

<400> 18469  
aagacgacag aagggcgggg gacggagaat tagggttcga ttccggaagg agagccaaag 60  
cttcgtcggt gatcattcct ccgtagttgc ggaattgaac ccaacttagg aatcaaattgc 120  
ccaagatctg ctgctctcgt tccgctacac aagttgtggg agcacaaaaa tcaaactcgg 180  
gtaaaggaag aaacggtgaa ggaggaatca agtatggatt tagtttgata aaagggaaat 240  
ctaaccattc aatggaggat tatcatgttg ctaagtttac caatttcaat ggcaatgaat 300  
tggggctttt tgcaatcttt gatggtcata aaggtgatca tggtgctgct tatctgcaga 360  
aacatctctt ctctaatac cttaaagatg gagagttctt ggttgatcct cgaaga 416

<210> 18470  
<211> 416  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-008-Q1-E1-E5

<400> 18470  
gacagaaggg ggaggacact gtgcagatca ctacggctca ttcacaggct gtgttttctg 60  
attcctaccc gccttcgtct tgtgtgttta aagagaatgt tgttcagttc atgaagccat 120  
tgttggagtt ttttcagcag attgggtctc ctttttggtt gaatgcttac ccttttttgg 180  
cgtacactta taatccgaag gagattgata tcaactatgc tcttttcaag ccaacggaag 240

ggatatatga cccgaaaacc gatttgcatt acgataacat gcttgatgct cagattgatg 300  
 ctgcttacat ggcgttgcaa gatgctgggt ttaagaagat ggaggttatg atcactgaaa 360  
 ctgggtgggc ttctaaaggg gattcagatg aaactgcagc aacacaagag aacgca 416

<210> 18471  
 <211> 430  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-E7  
 <400> 18471

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 taaattatca tcacttcatt tctcagagat ttacgcacac agagttctct tcttcgtcct 120  
 agtttcttct attccagggt agaagaaaaa atggcgtttg tgcccactgc ggaagtgtgt 180  
 gacgcgaatc aagagatgat tcgaagtggc cagctccgag ctctgcaacc cgtttttcag 240  
 atttatggtc gtcgtcaaat attttcaggg tccagtagtt actggttaaa gtcctttgaa 300  
 gacaatggct taatcccgtt aacttctccg aaaganaaaa gggaaatggg taanantcct 360  
 tggnggtggg tnggtgggan ggaanttaac cctgttgcca atactaaggg anggaaaacc 420  
 cggtcctgtac 430

<210> 18472  
 <211> 393  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-E8  
 <400> 18472

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 ttttcacctt tactctaaaa gtttcacttt ttatgtctgc tttgaagctc tgagatcgga 180  
 gaaagcaata tctatggcgg aagcaagacg attcagccca gttcatgaat tagatgttgg 240  
 acaaatactc tcagaagcac gacatogatg gcttcgtcct cctgaaatct gtgaaatttt 300

acaagaatta ccaaagattt caaatttcta ctgagccaac tactacacca tcaagtgggt 360  
ccgttttttaa gtttgatcga aangtgctca aat 393

<210> 18473  
<211> 453  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-008-Q1-E1-F1

<400> 18473

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aagacgacag aaggggagac gtcgaagatg aagttcaacg ttgcgaatcc aactactgga 120  
tgccagaaga agctcgagat cgacgatgac cagaaactac gtgcgtttta cgacaagaga 180  
atctctcaag aagtcagtgg agatgctttg ggcgaggagt tcaaaggata cgttttcaag 240  
atcaaggggtg gttgcgataa gcaaggtttc ccaatgaagc agggagtttt gactccaggc 300  
cgtgttcgcc ttctgcttca ccgaggaact ccttgcttca gaggacatgg aanggagaac 360  
tggtgaaaag gagaaaaaaa tccgtttgtg gntgcattgg gaanccctga tncccccgnt 420  
cctgaaacct gtnaattgta aanaaggtga aaa 453

<210> 18474  
<211> 410  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-008-Q1-E1-F11

<400> 18474

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gtagaagtgg aggctcttag atgggctgtg ctgtcattat cccgattcaa ttataggaag 180  
atcatttttg aggtggattc tcagcaactt gtgtctttgg ttacatgaaa gttatgcttg 240  
tcaagtctca attcaattat ccaagacata aagtatctac ttagcaagtt tgaggatttt 300  
atgcttgtgc atacaagccg agaaggaaat ggagtggcan atagaatagc taaggaatct 360

ctttcttttg agaattatga tctaaattgt attctattgt accaatttgg 410

<210> 18475  
<211> 419  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-008-Q1-E1-F3  
  
<400> 18475

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ctctctctct ctccgtaaca aaaaaatcac caatggcaaa acaatatctc tttgtactcc 120  
tctcaatctc ctatctctta tcaactggagc tcacggcggc caccgcagcc tcacagaccg 180  
gagcttccaa aaaagccata aacttcatcc aatcttcttg caaaaccacc acataccctg 240  
ccttatgtgt caactcactc tccgtctacg caaacgaaca tcnaaacaag cccnaaacgt 300  
ttagctgaga ccggctatag cgtgacacta agccgagcca attcaacnaa ctcttcgtct 360  
cgcgtctaac acgtatgaag ggtcttaaga agcgcgaagg tcgaaagcat caangattg 419

<210> 18476  
<211> 417  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-008-Q1-E1-F5  
  
<400> 18476

aagagacaga agggaaagt gacgagaaga gaaacagtag ccatagaaac tctgctatgt 60  
caaaaaagtc tgaaagtgcg gttctccgag tatcaccttg catggatcag aaaggagctg 120  
agggttaaagt taaaccagtg gagcaaaatg ataaggcaaa gaaacgggaa ctacaagaga 180  
agaatcaccg caggacagt gtgacaaaga gtgataagcc attgggtaat gaagggataa 240  
agaaaagtga accaaaaaac ataacaaatg gaagtagtaa agagaagaaa gaggagaaaa 300  
ctgaggtgat aaagaaaaat ggtcaggaga aaccaaagtt ttgtagagg angaccaga 360  
ttagagagag aacaagacgt tgtgggtact agggatttta gagtgaaga ctttcaa 417



<210> 18477  
 <211> 438  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-F6

<400> 18477

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ttattggctt ggacttgggtg tttttcattc tgggtgttgaa gttcatggag ttgaatatgc 120
at ttggagca catgaatcat caagtacagg tatttttgaa gtggaaccaa agaagtgtcc 180
tggtttcacg tttaggaaat cgattcttgt ggggaaaacc gacttggttg cgaaagaagt 240
tcgtgttttt atggagaaat tagctgaaga gtatcaagga aacaagtacc atctcatcac 300
aaggaactgc aaccattttt gcaatgaagt ttgtcctaaa cttgctcaga aatcaatccc 360
taggatgggt gaatcggact tgctcgctta aggggttctc tgcaanctgt gttgttacia 420
cctcgtttga acgangca 438
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<210> 18478  
 <211> 479  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-F9

<400> 18478

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acagaagggg aagtcagtcg taggagacct cactcacaca tactttgttg gaaatgctcc 180
aatggctcac atggccatac aacctacaga agaaatgcct gatttgacat cttacaagag 240
gttcttcttc aaatgcagtg tagtancagc atcgaaatac gacataagca actgcgagga 300
ttttgtgtgg gtaaccaaag acnagctctt ggaattcttc cctgancaag ctgaattctt 360
caacaagatg atcattanct gaaccactca caccacanaa actcctatct tcatcccttc 420
ctctccaaca atgtcatctc tctgggatta gacaatgtga gaaggatcat tnataacca 479
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<210> 18479  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-G1

<400> 18479

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agactataac ctggtggtca cagagagggga aacaatcatg gaggttgatg agccggatcc 180
tgatgatcaa gaaatccaga ggatccaaga ctctgttacc atcatctcta accgtctcaa 240
agaaagccat aaagggcttg agaaatgaag tcaaccccg tcaagcaacc actgtgttac 300
aaatgcntct caaaataatc aggaacatca ttgaacaacc aaatgaaatt aaattcaaaa 360
ngctgcntta gggaaatcct gcaattaagc gcaacattct caactttcca anctgccgtt 420
gaga 424
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<210> 18480  
 <211> 501  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-G10

<400> 18480

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aacgacagaa gggggagaag aagaagttga aaaaattgta aagtcagtct ctccgactct 120
tccttccttc cgtgttcacc attgctacac gttctccacg aantttccga tgcccagtcg 180
tcggggacat anctanaccg tcggatctcc tgcaaccaca tcttccaatt acagtaaacac 240
tactttcacc gatcggttct tcccgacaac cctgcccgt acatcnaccg acacaaccac 300
ctccatcgct cgtcgcatct ccggtatctt catcaactgc ttcactctc ccgattccgt 360
ttcctccaac tacatcgaca attcaagagt cntcttccgt gnattatatc cgttcgtaaa 420
cgtaactnat acggaagtac tatgtncagn gggntttatn gaantcccaa ccanacngtc 480
atacaagaat cacttcgcgn a 501
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<210> 18481  
<211> 444  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-008-Q1-E1-G2

<400> 18481

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ggggaaacat ttgagtacac agcaattatt tgcagatccc acagtgcctc cataacagag 120  
tacggtggtg taggagacgg caagacgcta aacacaaagg ccttccagag cgccgttgat 180  
catctcagcc aatactcatc tgaaggcgga gcacagctct ttgtaccgc cgggaaatgg 240  
ctcaccgga gtttcaacct cacaagccat ttcactctgt ttcttcacaa agacgcaatt 300  
cttctcgctg ctcaagactt aaacgaatac ccaattctaa aggctttgcc ttcgtacgga 360  
cgangacgtg acgccgccgg tggaagattc gctatctcat ctngcacta atcctctccg 420  
acntaattac accggggaac aacn 444

<210> 18482  
<211> 424  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-008-Q1-E1-G3

<400> 18482

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nnnnnnnnna ttggttttgt ctccggaaac agcatcaaag gcttatatag acaccgttaa 120  
atcgtgtgag aatcttgaaa cgccggacgc ggcggagtta atagcggcga tggcggcggg 180  
atggaacgtg aagctgatcg tggaaacttg gtcagaagga gacgcaatag cttcaagtat 240  
tggttttaaac gtagcaagca aacacgcaaa cgctaaacac atatgtatag tacaaaactc 300  
aagatcagaa tctgcttanc tcaaacctat tcaagaatcc tcatctcccc ttgaacnttc 360  
caagaagact atccgtccgc tgaaagaacc ccgggaaaaa gcgatgaaag aanctaccaa 420  
agga 424

<210> 18483  
 <211> 467  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-A2

<400> 18483

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acgacagaag ggtacggctg cgagaagacg acagaagggg ggaatccaga ggttttgttt  120
ctgaatggaa acaagttttt gggagttttg attgtgcctc caacaagttt cttggcatcc  180
aacaggaagg ggatgcaaag aagtatgtgg gtgttccggg catgaactct atatctaagg  240
ccttgtgtaa tgagtctggt gttaagagta tgtttggaac tggattgcc aagatggaat  300
ggttggcaga agagatacca tggttgttga cagattcaaa aggagaaaat ttgggtcgtt  360
tcgatggagt ggttgcata gataaaaaca ttgtttctcc aaggtttact caagtaactg  420
gactcccacc gcctctggac ttaaatacaa tcccggagtt ggcnact                    467
```

<210> 18484  
 <211> 409  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-A3

<400> 18484

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cttgaagatg gaagaacttt ggctgactac aacattcaga aggagtccac acttcacttg   60
gtcttgcgtc tgcgtggagg tatgcagatc ttcgtgaaga ctctcaccgg aaagactatc  120
actttggagg tagagagctc tgacaccatt gacaacgtga aggccaagat ccaggataag  180
gaaggaatcc ctccgatca gcagaggctt attttcgccg gcaagcagct agaggatggc  240
cgtacgttgg ctgattacaa tatccagaag gaatccacc tccacttggc cctcaggctc  300
cgtggtgggt atgcagantt ttcgttaaaa ccctaacggg aaagacgatt actccttgag  360
gtggaaattc tgacaccaat caacaannnc aaggccaaga ttcaagacc                    409
```

<210> 18485  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-A5

<400> 18485

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aagacgacag aaggggtgcgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 60
acagaagggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 120
gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agcaggatac 180
ggctgcgaga agacgacaga agggctacggc tgcganaaga cgacagaagg gtacggctgc 240
gagaagacga cagaagggtta cggctgcgag aagacgacag aaggggtacg ctgcgagaag 300
cgacagaagg gtacngctgc gagaagacga caaaagggtac ngctgccnaa aagacnacag 360
aaagggtaccg ctgccaaaag acnacagaaa ggtagcngctg ccgaaaacna cagaaaggta 420
ccgc 424
```

<210> 18486  
 <211> 456  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-B1

<400> 18486

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gcgtccgtac agatgcgaga agacgacaga aggggagagt catcaagcgt attctcgaac 60
ccaaccctat taccagaata agtattgcag agttgctcga agatgaatgg ttcaagaaaag 120
ggtacaagcc gccatcattt gaccaagatg acgaggacat aaccatagat gatgttgatg 180
ctgcttttag taactccaag gaatgtcttg taactgagaa gaaggagaaa cctgtatcca 240
tgaacgcttt cgaacttatc tctagctcaa gcgagttcag tcttgaaaac ttgttcgaga 300
agcaagcgca acttgtgaag aaagaaacgc ggtttacttc tcaacgatct gcgagtgaag 360
taatgtcgaa aatggnagaa accgcaaagc cattaggcct taatgtccgt taaagacaac 420
taccaagatt aaaaatgaaa ggngacaaaa gttggc 456
```

<210> 18487  
 <211> 490  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-A11

<400> 18487

tctgccnngc tctaccggaa nggacatccc ggntcgaccc acgcgtecnc ccaagcgtcc 60  
 gccacgcggt ccgtacggct gcgagaagac gacagaaggg gatagaaaga aaaagaagtt 120  
 gaaagagaaa ttgcttaagg aagcttcgaa agctgacaat agaggtgttt gctacttaag 180  
 tcgtatccca ccacacatgg atcacgtagg acttcgccgt attctcgctc aatatggaga 240  
 actcggaagg atttatcttg cacctgaaga ttctgaagca caagtgcacc gtaagcgggc 300  
 tgggtggattt cgtggccaaa gggtttctga aggggtgggtg gagtttgcta agaagagcgt 360  
 agctaaacgg gttgcagata tgctaaatgg agaacaaatc ggggggaaaa agaagtcatc 420  
 agtatactat gatatttggg acatcaaata ctgaccaa tttaaatggg atgatcttac 480  
 tgaagaaatt 490

<210> 18488  
 <211> 416  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-008-Q1-E1-B10

<400> 18488

tctagtgggt atggtgagcc taaactggct ctgatcaggc ggtggatcaa cgggtgtgtt 60  
 agtcggaaaag tgaaatatct cgggtgttttg gatgattcat gtgataatta tgagttcgag 120  
 atgcctccaa ccttttacac ttgtgagacc ttagtatact taacgctcga tggactatcc 180  
 ttggctagtc ccaagtttgt ttctttacct tctcttaaag aactccatct aagtatagtt 240  
 aagtttgccg accatatggc gttggaaaca ctcatctcac agtgcccagt tctagaaaac 300  
 ctaaatatca acaggagtgc tgtgatgatt ttgaattaca tgtgtgcgtc tcagtcacta 360  
 ttgagctcac tcatgttgcg gacactgatg aaatgttgaa tgaagatcta gtatcg 416

<210> 18489

<211> 337  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-B7

<400> 18489

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ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc 60
gagaagacga cagaagggtta cggctgcgan aagacgacag aagggtacgg ctgcgagaag 120
acgacagaag ggtacggctg cgagaagacg acagaaggat acggctgcga gaagacgaca 180
gaagggggcc ttagaggag aatgtcaaag gaaaatatag aagataagtc atgtactcat 240
attcatgtcc aactaaatat ataatgagaa aggcaaata atgttttcaa gacanattna 300
ttnnanactt angttnaaat anaaaaaaaa agcggcc 337
```

<210> 18490  
 <211> 451  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-C3

<400> 18490

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gcgctccgtac nnatgcgaag aaaaacaaca gaaaggggaa acccggaag ctttttggaa 60
aanggaggtg gaggaagcca agatcttgct cggctttcct cctaattctc gtcccgatcc 120
ttctcaggtt aaagctgctt acaggaagaa agtatgggaa tcacatcctg acttatttcc 180
tgatgatcag aagcttggtg ccgagtctaa gttcaaactg atatctgaag cttattcttg 240
cctagagcct ggtgatgtta aaggatcaatg gtattacaga gcangtgtgt attcgagggt 300
cgtcaagact ggggttcctc ggccatattc atctgccaaa agaggtaacc gttggttgat 360
cgggtgcacct ttccttttga ttgtcttagg aaccatcgga cttggtggaa tcaaagctaa 420
canggcatat aatttgcaaa aacagacgtt c 451
```

<210> 18491  
 <211> 385  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-008-Q1-E1-C4

<400> 18491

gcgtccgacg gatgcgagaa gacgacagaa ggggtgaggaa tctgacaaag tcagttgtca 60  
gaggtcaatt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn atgttggtag cattagtata gatggctgac gaggcttccc aatacagatc 180  
tcttttcgat tgtagttat catttatcaa tatcaaata aaccaagcta tccagtagct 240  
ttaataagga ccattgtgac aagtgacttt cagtttgaaa ttttatgtca gagactttga 300  
ttcaaatttg taatttcttt ctaatgtcgc caaatctggg tataaactaa gaantnatac 360  
ctttggttga cactacttat tgaga 385

<210> 18492

<211> 465

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-008-Q1-E1-C6

<400> 18492

cacaaaatcc cgggtcgncc cacgcgtccg tacnagctgc gagacgacag aaggggggaa 60  
tggctgggca agaagcaagt cctgcttcct tgtttcagtt atatgttgat tatgggcgtc 120  
ttacagaggc aactaatttg ctacttgagt acatggaatc atttgcttca tcgaaaccag 180  
cagaggtatt gaagaggaaa aaggtatccg gagtttggtt tccgtgcaca acagtagaaa 240  
gactatggtg ggagctagag aaaacaatga actcaggacg aatggtggag caatgccata 300  
agctgaagga acaacttcat catgcattac tcaatcactt aaaactgctt aaggtggact 360  
caaatgatgc tgtatcctct gcaaccgggt aaagaaagtc ctgattgttc cgtgttaata 420  
ttantatatc tgtatcaaaa tcntatcaag ctttggttcc cntta 465

<210> 18493

<211> 504

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-008-Q1-E1-C8



<400> 18493

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tgngcctacc gtgtccgaan atcccgggtc gncccacgcg tccgtacagc tgcgagaaga 60
cgacagaagg gttagggcaa aaggcaaaca aagagttcaa ttccgtcggg gacgatttca 120
attcattgtc taacagtatt gaaggaggta ccaagtgggt agtcaacaaa ctcaaaggaa 180
aaatgcagaa gccattacct gaattgttga aggaatttgg tctaccagtt gggatcttcc 240
cacaggatgc taaaaactat gaattcaacg aagagacggg taaattgact gtattcatcc 300
ctgagacatg tgaagttggg tacagagatt catccgggtc ctgccggggt ttcaaactaa 360
cggtaaacgg gttnactttg gagaaaaggg aaagctaagc aanaaagtng gaaaggcatt 420
gaaaggacaa agggttatga tatgggttga aagtgacttg tatctcaagc tgattcatca 480
aaaggatatat ttcacaagcc cggg 504

```

<210> 18494  
 <211> 414  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-C9

<400> 18494

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aagacaacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 60
acagaagggg gaagacattt cttccctctg gatctccaaa agtaagaaca ttacaagaa 120
acgagagggt tgggtgggga aggaaagaag gaggaagagg caatgtcagc taggtattgg 180
tgtcacatgt gttcgcaaat ggtgaatcca gttattgggt ccgagatcaa atgccccttt 240
tgccaaagcg ggtttgtcga ggaaatgagc cgtgagatta atggcggcag cagtagcagt 300
ctaagggagg ttcaagacct tgagattgat tttggtacag accgtgcatt gtctctatgg 360
ggtccaatct tgcttggaaat gataantatc tcgtagacgt anaaggtaa gagg 414

```

<210> 18495  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-008-Q1-E1-D1

<400> 18495

ggctgcgaga agacgacaga agggttccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcggcc gcncatanagg ntccaagctt 120  
acntacgcgt gcatgcgacg tcatagctct tcnatagtgt cacctaaatt caattcactg 180  
gccgtcgttt tanaacgtcg tgactgggaa aaccctggng ttaccaact taatcncctt 240  
gcagcacatc cccctttcgc cagctggcgt aatanegaag agggccgcac cgnttgccct 300  
tcccaanagt tgcccaacct gaatggccaa tgggaccccc ccttttncgg ggcaataanc 360  
ccgggggggtt ttgtgggtac cccaacggtg accgctaaac ttgcaancgc cctaacccc 419

<210> 18496

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-008-Q1-E1-D2

<400> 18496

tgaaccaaag tanaaaacaa agactcgagt tgatatgtct agtactaaag atatgtcaac 60  
tgtccaaaac gcaactcctt ttaacggcgt tgccccatcc accaccgtgc gagttacaat 120  
cgtccaatcc tccaccgtct ataacgatac tcctgccact atanacaaag cggagaagta 180  
tattgtggag gcggaagca agggagcaga gctagtgttg ttcccggngg ggtttatcng 240  
tggtancct cnaggtttta ggttctggtt tagcggttgg cgttcataaa cgaanaaggg 300  
ngtnatnagt ttcggaanta caangcttcg gctattcatg ttncctgncc ctnaggtaca 360  
aagnattggc ttgacttggc nnggaaaacc aagttttact ng 402

<210> 18497

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-008-Q1-E1-D3

<400> 18497

aatgggttc tcctgggncc caccggtccg gganantccc gggtcgaccc acggtccgc 60

ccaaaacgtc cnttacggct gcgaagaaag acgaacagaa aggggtacggg cttgcgaaga 120  
aagacgacag aanggggtacg ggctgcgaga agacgacaga aggggtacgg ctgcgagaag 180  
cgacagaagg gtacggctgc nagaagacga cagaagggtta cggctgctgag aagacgacag 240  
aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaaggat 300  
acggctgcca gaagacgaca gaaggatacg gctgcgagaa gacgacagaa ggggtacggct 360  
gcgagaagac gacagaaggg ggtacataaa agcttaaaat aaaatntnan cnncaaaaaa 420  
aaaagcggcc 430

<210> 18498  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB35-005-Q1-E1-F8  
<400> 18498

aagacgacag aaggggaagg catgaaagag gcaactaatg gctatgatga gagcagaatc 60  
ttgggccagg gaggtcaagg aacagtctac aaagggatat tgccggacaa cactatcggt 120  
gctataaaga aagctcggct tgcagacagt agacaagtag atcagttcat ccacgaagtg 180  
ctcgtgcttt cacaaattaa tcacaggaac gtgggtcaaga tcttgggttg ctgtctagag 240  
actgaagtcc ccttgttggt ctatgaattc attaccaatg gcaccctttt cgatcacttg 300  
cacggttcca tttttgattc ttctcttaca tgggaacacc gcctcagaat agcgatagaa 360  
gtcgtctgaa ctcttgctta tcttcaactcc tctgcttcta atccaatcat ccatcgcg 418

<210> 18499  
<211> 493  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-005-Q1-E1-F9  
<400> 18499

cctgtntctac cggcccggaa atcccggatc gaccacgcg tccgccang cgtccgtgcg 60  
agaagacgac agaagggggg aggtgaagct ggcaaagatg ctgagatggg ggaggagctt 120

aaaatgagtt ttacatcccc tcagtcagca gtgcaagaag atgatggagg ggagtcaaag 180  
 acggagggga gtagtgaaag cagcaaagca agatctggaa gtcacagaga ttttcagcaa 240  
 gaagaggacg ttattttaaga taagcattct tctcgaccag ctaacaatag gaaacagtac 300  
 gataacaatg cacctcatca gagcagaaag aatcaggaca gaggggaagga aatggaaaga 360  
 acacgagcgg cgagcaaagg tgatagagag aactctaata cacatatgga gctcgattct 420  
 acttatatct actcaattgc aagtcgagag gattttgata aaagaaaaga gcgagatggt 480  
 tatggggcaa tct 493

<210> 18500  
 <211> 500  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-E3  
 <400> 18500

actggtntgc cttgccctag ccgtccggan atccaaggtc gaccacgcg tccgcccang 60  
 cgtccgcca cggtccgta cggctgagag aagacgacag aaggggatct cgcgagagac 120  
 agaaaggac gattattggt tggtgaaatt tagagcattt ttgggaattg ggtaaacttt 180  
 tcgatggcga cttcgaagct tcaagctatt tggaatcacc ctgccggacc taaaaccatt 240  
 ctttctggg caccaacgtt caagtgggt attagcattg ccaacattgc agactttgcc 300  
 aaacctccag agaaactttc ctatcctcaa caaatcgcg ttacatgcac tgggtgttatt 360  
 tggctctggt acagcatggt aatcaatccg aaaaactgga acctcttcag tggtaatggt 420  
 gctatggcaa ggacaggcat ataccaactt gctcgtaaaa taaaacacga ntatgcaacc 480  
 gaanctgaac ctgccttgcg 500

<210> 18501  
 <211> 479  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-G10  
 <400> 18501

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 taagacatca cgaggaacac gatgggtgaa gcggtcaagg atgggagaga agaagtgatt 120  
 caagcttggt atatggatga tagtgaagag gatcagagac ttcctcacca caaggatcct 180  
 aaagagtttg tatcgttgga caaacttgca gagctgggag tacttagctg gagacttgat 240  
 gctgataact atgaaaccga tgaggatttg aaaaagatcc gtgaatctcg tggttactct 300  
 tacatggact tttgtgaggt atgcccgga aagcttccaa actatgaagt gaaagtgaag 360  
 agctttttcg aagaacattt acacactgat gaggagatcc gttactgcgt tgcaggaact 420  
 ggttactttg atgtgagaga tcgtaatgaa gcttggatta aggtattggt aaagaangg 479

<210> 18502  
 <211> 332  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-G11

<400> 18502

aactggtttg cctggctcta ccgncgga natccccgaa tcgacccacg cgtccgacgg 60  
 atgcgaagaa gacgacagaa ggttacagct gcgagaagac gacagaaggg aggnanaga 120  
 ggtgttcagt gttctcttat gtatgcgtgt atgannnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatttttg ctgcaatgaa 240  
 aataaaaact tgtanatact taacttcagt tttgttttct tatgtcaatt tagctcaaaa 300  
 aaaaaaant tcnaagnana naaaaagcgg cc 332

<210> 18503  
 <211> 420  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-G6

<400> 18503

agaaggggac tgaaagaaaa aaatgaacaa actctccaac gctttctctg tcttggtttt 60  
 cgccgatgaa gatgctccaa tggcttcttc ttcttccact gggaaacaag aagaaagtgt 120

aaatgggtca cttgaggatg gagattacaa gcaaccactt gtttggattg acttggaaat 180  
 gactggatta aatgttgaag ttgacaggat attggagatt gcatgtataa ttactaatgg 240  
 agatttaaca caatcagtgg aggggccaga tttagttgta cgtcaaacga aagactgttt 300  
 ggataaaatg gatgactggg gtcaaaactca tcatggagct agtggggtga cgaagaaagt 360  
 gtcctcagt gcgataactg aaagggaaac tgagcaaaag tcatcgaatt cgtaangaag 420

<210> 18504  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-G8  
  
 <400> 18504

tcttaaaatg ggctgcaacg aatctcgat atccatcctt ggcagagata gaagctgctc 60  
 caccaacagc tgagcttgag ccattcgtt ctgactattc tcagctcgat gaagtcgacg 120  
 tgggaatgac atatgaagag ctttcagtct atggaaggat gaggaagata ttccgttgtg 180  
 gaccagtatc tatgttcaag aatctatgtt acaagtgggg aacaaagcta agcccagcag 240  
 aagtagctga gaaagtgaag tatttcttca aatattattc gatcaatcga cacaaaatga 300  
 ctgtctcac accgtcttat cacgtcgaga gttactcccc aagaggacaa cagattcgat 360  
 ctgangcagt ttctgtacaa cagcaagtgg gcataccaat ttaaagaaga ntg 413

<210> 18505  
 <211> 475  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-H2  
  
 <400> 18505

agcntccgga atcccaggtc gaccacgcg tccgtacggc gcgagaagac gacagaaggg 60  
 ggcgccgcgc tttctctctc taaacttagc tcagcctatc gattaattcc tctccggaat 120  
 aaggaaattt cacctcgatt tattgattag tcggaagaat tcggaaccaa ttctgaacca 180  
 gacctgaaat tttccaatgg ggcggaagaa gccgagtgcg cgaggtggag atgctgagca 240

gcaacctcct gcgtcatctc tcgttgggtgc tactaaatct aagaagaaag gtgctcaaatt 300  
 tgatgacgat gagtactcaa taggtactga gttgtctgag gagtctaaag ttgaggaaga 360  
 gaagttgttg ttatcactgg gaagaagaag ggtaagaaag gtaataagaa gggtagcгаа 420  
 cangatgatg atgatgaatt ttccgataag gttccgctgc cggggtnaaa gacat 475

<210> 18506  
 <211> 485  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-H9  
 <400> 18506

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 ctgcgagaag acgacagaag gggaaaaata aaaaaaaaaa cagagaaaag gagatatgga 120  
 atcaatcgga gtccttatga tgtgccccat gtcctcctac ctcgagaacg agcttgagaa 180  
 gcgcttcaac cttcttcgct tctgaacttc tccggagaaa tccgtcctcc tagaaactca 240  
 tcggaactcc atccgcgccg tcgttgggaa tgcttctgcc ggcgccgatg ctcagctcat 300  
 cagcgatctg cccaaccttg agattgtatc cagcttcagc gtcgggctcg acaagatcga 360  
 tttggggaaa tgcaaagaaa aagggatccg cgtcaccaac acccccgacg ttctcaccga 420  
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<210> 18507  
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 tgctttgaga tccgaattca ctggcccaag attcgttctt cacgtcaccg tcgccgtatc 180

tgcttatctg acngcagacn aagccaagaa gatgttcgaa tcagcttgcg acggtcttaa 240  
agcttacacc gccaccgttg atcgcgcttc caccggaact ttcttctttc aatgcntttt 300  
cttgcttctc caanccaccc ctgaggtaat ggaagctggt gaacactgta anaancattt 360  
caattgttcc actancacac cttacatgcc gcatttgagc ctactttacg ccganttgac 420  
a 421

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tacaagggtc tcgaacttga tctcggtcat gaagaggatc atgagagtta cgaanatgat 240  
gaagaaacac cgcanaaagc ttcgacagtg attacntcat ctgcncaatt caagattctg 300  
tcggaaagat agagtttctt catcagatat ctagcgtggt ccccanacaa ctctcnaag 360  
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gattcgg 427

<210> 18509  
<211> 451  
<212> DNA  
<213> Arabidopsis thaliana  
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gacgacagaa gggggccgtc aaagggttaa cagtcnaaac aatggngatt ctgaancttg 180



atgtagcgaa gtttccagaa attgangata naagtcgaat taactaacc aaagagaaac 240  
gacgaagtag aagattgcga cgaccaacaa gangcagcag ctagctacac angaagatga 300  
anaggaagac nanttgagaa agcttctgct ttcagatatt ggagaanttc cgatttctcc 360  
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tcatgatcaa tatatttacc gtcacgctaa t 451

<210> 18510  
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<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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cctccttctc tacagggtct tactttcgcc attaaagaca tttttgatgt ggaaggacgc 180  
nttaccggtt ttggtaacc ggattggta angacacact cggcanctac ttctacagct 240  
ccantagttt catctctctt ataagctggg gccacanctt tgggtattac cattatggat 300  
gaaatggctt anagtataaa cggagaaaat ggcgattatg ggactccgan aaacccgatt 360  
gctttcgata gagtgcctgg ggggattatc gagtggctca anccgtaact 410

<210> 18511  
<211> 392  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-006-Q1-E1-D9  
<400> 18511

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cacatctcca cttccttcca ncaaactctc ccttccttct tccatctccg tcttcgtaat 120  
ccctccacca cttcttcgtc tcgtcccaaa ctcgacggtg gtttcgcttt gtcaattcga 180  
gcttacatag agaaaccaa ctctttctcc accttcgcta acaaagtcac cggttctctt 240

cccgttatcg gactcctcgc tcgaattatc aagcgatgaa ggcggcgttg gtagagatct 300  
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<210> 18512  
 <211> 504  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 aaggtgagat ctcttatagt ttcgagattc gaggaagact tttggatacg atcagcttca 180  
 gtcttccaca acttaacatt gctcagggtg ttggatcttt ctagggtaaa gtttggagga 240  
 gggaagttac cttctagcat tggagggctc atccacttga gatacttgag cttatacggg 300  
 gctgtggtat ctcattccacc ttccactaat gcggaactta aaagcttccg ctccctttttg 360  
 aacttacctt gtttgataac aanggaaccg attcacgttg ncaaaatggt ttngaaagaa 420  
 atgctaanan nttaaggtaa cctttcccaa ctcnaggga aatgggtgat aaaaaccaa 480  
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<210> 18513  
 <211> 456  
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 <213> Arabidopsis thaliana  
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 gttgcttcaa gcagctcaag atgagatgat actaaagctc tctgttgatt ctcacacttc 180  
 tcgatcttct tccgattatt tagatccaga tcttcactct agatttctcg ctctcaaate 240

tcaaaagaag aaggatcagc agcaacaaca gaaacaacgg ccgagaatgc agccgaaatc 300  
aaaggatgtg gttgaggaaa caccaagaag atctcatgct tagattcgcg gctctgaaaa 360  
cttctctccc ctccgcgtct tcttcgtcct ctgttcttct tcangatgaa atccgagaaa 420  
gatggtgatg aaatcggaga aaatgctgaa nttggt 456

<210> 18514  
<211> 485  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-005-Q1-E1-B3

<400> 18514

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gccggcaagt gaagtcgctg cgagagtatc gtctttgttc gtttatccga tcaaactcatg 180  
tcgaggaatt tctctgtctc aggcagctct cactcccacc ggatttcgat gggatcgaaa 240  
ctggttgatt gtgaattcta aaggaagagg attgactcag agagtggaac caaagctttc 300  
tttgattgaa gtagaaatgc ctaagcatgc gtttgagag gactgggagc ctgagaagag 360  
ctctaactatg gtgggttagaa gctcctggta tggatgcctt taangtctcc ctagctaaac 420  
ccgacaaaat acagacggtg tctcaatttg ggaattggtc tggctccgca ctanatgaaa 480  
ggaaa 485

<210> 18515  
<211> 451  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-005-Q1-E1-B6

<400> 18515

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tcagtgaagg tgggtttgac gttgttgag atgaatctgt tgccggatat tgtcattagg 180

cggtcacac gtctgcttct ggccggtcgt ctccgttccg gttacaaacc cacggcggag 240  
atgcaactct ccgatctcct ccgttttgtt gactctataa agaagatgcc tatagctatc 300  
cataccgaga agccaaagac tcaacactat gaattaccga cagctttctt cgaacttgtc 360  
cttgaagaa acatgaagta cagctcttgt tacttctcaa acgattcaag tagcttanaa 420  
gatgcanagg aagcaatttt ggctccttaa t 451

<210> 18516  
<211> 282  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-005-Q1-E1-C1

<400> 18516

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cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag aagacgacag 180  
aagggaactg atactgtttt gagattttat gtttgtcaag atcaagaacg tctgtggtta 240  
tttctgggtn nnnnnnnnnn nnnnnnnnnn nnnnnnngcg gc 282

<210> 18517  
<211> 493  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-005-Q1-E1-C10

<400> 18517

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ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg 180  
gctgcgagaa gacgacagaa ggttacggct gcgagaagac gacagaaggg gatggcaacg 240  
atttcgtcaa ctctactctt aaattcttct agatcagctt taccactaag attcccaaaa 300  
ttctcgggat tttcttcttc ctctccattc gctagatctt acanatttgg acgacntaat 360

ctggaaccac ttccaacgg gatgctttcg tcnggaagta nagccgacgg tgctacggcn 420  
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 caactttgga atc 493

<210> 18518  
 <211> 502  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-C12  
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 cgactgttta ccaaaaacac aggtctccgc aaagtcgtaa gaccatgtat gggggctgac 180  
 gcctgcccag tgccggaagg ttaaggaagt tggtagacctg atgacagggg agccggcgac 240  
 cgaagccccg gtgaacggcg gccgtaacaa taacggctct aaggtagcga aattccttgt 300  
 cgggtaagtt ccgaccgca cgaaaggcgt aacgatctgg gcactgtctc ggagagaggc 360  
 tcggtgaaat agacatgtct gtnaagatgc ggactacctg cacctggaca gaaagaccta 420  
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 gcgaaaaang ccccttcgg gg 502

<210> 18519  
 <211> 490  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-C2  
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 gagaagacac agaagggggg ctacgcggc cgttttttct ctctcatcc tctcgacgaa 120  
 ttctctcaa gcttgcttct tccatttttc tcttagacca atctcgcttt cgcattccctc 180  
 ctatgccatc ctctcgaac gagaccatt tctgtgttct caaccagaa aatgccttac 240

tacgaatttg aatatgtcaa gaacgagaca agggcattct atacaaatga acagaagaca 300  
tcttcttatg aaagaaagga agagtttttc gataaattat tccgataagt tcagagatga 360  
ttctatgagt agcgaggaga tgcatacaga tgctttggat gtggagatta ttccgccaga 420  
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nggcaaaagt 490

<210> 18520  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana  
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<223> Clone ID: LIB35-005-Q1-E1-C5  
<400> 18520

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ctcgcaaagg gaaaacgagc aagaggacca tattcataag aaaactgatt agggaagtag 180  
ctggaatggc tccttatggg aagagaatca ctgagcttct caaggttggg aaagacaagc 240  
gtgctcttaa ggttgctaag aggaagtggg gtactcacia gagagctaag aggaagagag 300  
aggagatgtc tagtgttctc cgcaagatga ggtctcttgg tgggtgctgct gctgctgaga 360  
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<210> 18521  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB35-005-Q1-E1-C7  
<400> 18521

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tgcgcaaagg atgctcttga tgctgagtac ttttggactg atccgctgcc atgtgatcca 180  
aagagtctac cgacatatga atcatcacat gagttccaga caaagaaaaa acggcaacag 240

atgcgtcata atgaggaagc agccaaaaaa cagaaactgc agcatccaca gcagcaacat 300  
tctcgtttac ctccacagca acatggtggt ggccagtctc atgccgctcc actttggcct 360  
gctggaccaa accaccctat gaacaacaac gcaccancac cccaaatact gctg 414

<210> 18522  
<211> 500  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 18522

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caaatccttt ttgagtttca atctctgaga gtttctatga aacaatcgtc atgggggttgc 180  
acaatcttca tccaattatc tctatgtctc atcatctatg tgtctctgca ttcgggtcac 240  
ccattcttct tctctagtga cgacggtgac aatgccacac ctctagatct tcatttcac 300  
tccgttgccg gcgggttccag gcctcttaac caccaaactc gccttctccg attgatggag 360  
aaagttgcag aaacttaciaa ggccaaattt gttgtgagct caagtgaaca agggagaaag 420  
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acactaagaa tgaaaggatc 500

<210> 18523  
<211> 506  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-005-Q1-E1-D3

<400> 18523

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caagaaagac ttgcgatgat gacagtaccg aagatgtgag aagaaaacat ttaaagcatc 180  
acaggcgcag tgaggtggtc acttcaagtg atagtgagga agagagtgga agaagaaggc 240

gaggcaaata tcacaggcac aacagaggtt cagcctcctc gagtggctcg gaagaagata 300  
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 aggaagatgg ggcaatgaga aggactangc atcataaaca tggcagagat tcagcatctg 420  
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<210> 18524  
 <211> 475  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 18524

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 ttcgtcgga cagtcgtaca agcgcagctg atacctccgg cgaggcgta tggatttttg 180  
 tatccaccgg gtcggaaaat cgaccgggat acgatactta tcgaggcgta tattgacccg 240  
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 gcatctcggg ctttacacat cgttgatacc ttaaagcgca atgccacgtt caatttgctg 420  
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<210> 18525  
 <211> 338  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-D5

<400> 18525

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 acgacagaag ggtacggctg cgagaagacg acagaagggc acggctgcga gaagacgaca 180



gaaggggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac gacagaaggg 240  
 tacggctgcg agaagacgac agaagggtc tgttatgaga cttnnnnnnn nnnnnnnnnn 300  
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<210> 18526  
 <211> 490  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-D9  
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 aagaggctga agcttatctc gacgcaaggc ctagatatcc gatcgattgg ttaagaaaa 240  
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 ctgctattgg gcttgtggag cattacgaga atgtagtggc taccgatata aacgaagcac 360  
 aacttcaacg agcaatcaaa cactcaagaa tcagttacca tcacactcca acaacgatat 420  
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<210> 18527  
 <211> 273  
 <212> DNA  
 <213> Arabidopsis thaliana  
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 <223> Clone ID: LIB35-004-Q1-E1-G3  
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 atagcaattt gatgttatga tgctaggcga actgtaagaa agatatcaaa aacagaaaag 180  
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<210> 18528  
<211> 476  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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ctgatcaatt tatgctttca gaacaacaac atgagcaaag gttgaagcag aaagcacttg 180  
agctacagat ctctgcttta aaaattaaac agcacgagga gaaactcatc catgaacaat 240  
ctcagatgaa agtttacgca gatcatgttt ctcagctttt gtctactgag aaaaatttgc 300  
ggttgcagct gacttctgat gganataana ttccancagt tccaggacgc gttggntaag 360  
agcaatgaag gtgtttgaaa cattcaagcc aggaaatccg ataagnttgt cnaaagcaat 420  
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<210> 18529  
<211> 532  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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tcacgatatt cgtcgccact gggatgggac cagtcactgt ggacgcacgc acttgtgagt 240  
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acaacgaagg ctttgtcgga ggtaactgcc gtggattccg tcgtcgttgc ttctgcacca 360  
agacattgct gatctacca ttctcatgca taattcaact ttgatccac gtcgtgtgtc 420

aacttctttc ntatcnaanc ttcngtacag gtacccatgaa gttnnctgtac attagtgtgt 480  
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<210> 18530  
<211> 428  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-004-Q1-E1-F5  
  
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tgaagatctt atgaagagag ggtttaaaag tagaaactat ggagcaaaaa gaaagtcac 180  
taggagtact ggagggattt tagatcaaag ctacaaaagg gtttttagtc cttaaagctac 240  
aatctccaag aaaccaaca gaacaccttc ctctgttctc tcttgtctag ccagaagaag 300  
acattagatc tcagacaaac attagtttct tttacaagtt ttaacctttt ttacgattca 360  
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aatgggtn 428

<210> 18531  
<211> 406  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-004-Q1-E1-H10  
  
<400> 18531

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acattgcttt cgtccccgac gaacctagcc gagggttttt acttggaacg agacagactt 120  
tgtagagac taaagatggt ggaagcactt ggaatccacg ttcgattcct tcagctgaag 180  
aagaagattt caattataga ttcaattcga ttagctttta aggcaaagaa ggatggatta 240  
ttggcaaacc tgcgatttta ttgtacctg ctgatgctgg agagaattgg gatangattc 300  
ctccaagttc tcaacttcct ggagatatgg ggtttataaa aagcgacagn agatangagt 360

gcaaaaatgg gtacctgata aagggn catt tagtaactca acaagg

406

<210> 18532

<211> 396

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-004-Q1-E1-H11

<400> 18532

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gctcgttgtc taggtgaanc gataaaggca aagagtctga aaggtgaaac agaagaaaat 120

gaagaagagg gttataanag gattgaagaa ggtttnaaga agtatgcagg agaaaggaaa 180

tggagaagca ttgatcttat aacaacggca tatacagtan gattcataca gcagagcana 240

gggaagtgga tgaacatggt cagagacagg ttctgtcgt cttacctttc cangatgctg 300

ctgaaaaact ccattttcga ttgcggaacc ttgtcccatg atgattcnca aacaataant 360

canaaacnt gtgnntcttc ttgtcaccnc caaact 396

<210> 18533

<211> 509

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-005-Q1-E1-A10

<400> 18533

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cganctgcga naagacgaca gaagggtagc gctgcgagaa gacgacagaa gggggtgcta 120

ggttggttctt ggggtgtata ggtgtggaaa acaccggaac tgagattgca actgctttga 180

acaatatggt cgtgagctgc gagtacattc tcaaactaaa gcatgaaatc gaggagcaat 240

gtactgaggt atttctgca ccagcagatc gagagaggat aaaatcatgt ctatccgagc 300

taggcgagtt aagcagcacg ttcaagcagt tactcaactc aggcattgaa cagctagtag 360

caaccgtaac accaagaatc cgtccggttc tagacaccgt ggctaccata agctacgagt 420

taacagaaac cgagtacgca ganaatgagg tgaacgaccc ttgggtccaa aagacttctc 480

cactcaatcg aaacnaaatg ccgctggc

509

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<211> 504  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-005-Q1-E1-A11  
  
<400> 18534

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gtatctttta ctgggttctt tcagatatat aaatggatca aatcgttaac gtggatgagt 180  
ttcaagagct ggccaaacag gccctcccta agatgtacta tgatttctac aatggaggag 240  
cagaggatca acacgtcttc aatgaaaatg tccaagcttt ccgtagaatc atgttttaggc 300  
ctagggttct tgttgatgtg agcaacatag acatgtctac aagtatgttg ggttacccaa 360  
tctcagctcc catcatgatt gctccaacgg caatgcataa gttggctcat cctaaaggag 420  
aaatcgccac agcgaaagct gcagctgcgt gtaacactat catgatagta tcattcatgt 480  
ctacttgcac tattgaggag gttg 504

<210> 18535  
<211> 483  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-005-Q1-E1-A12  
  
<400> 18535

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agattcagct catgcaacgt cctaaattag gtcagattca gtgattagtg ataagtagta 180  
acagagagat ttattaagat gttgtcgtcg tcaacagttt ctttcatgtt attttttcct 240  
catgttttcg atccatatga atgaagctct tgggtgctcaa attgaaatcc gcaaactcga 300  
agagacgatg gtgatgagga ggaacaagaa aggtaatggc ttcgtaacct ccaaaataga 360

tgttccacca agcgcacac aacattgcgg gggaggtaaa cgttttaaga acatggcgac 420  
 cactaatcgc catgatgac agttcaatcc actttcanga agngtctctt cctccctccg 480  
 tat 483

<210> 18536  
 <211> 494  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-A3  
 <400> 18536

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 agggtagcgc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagagta 120  
 cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 180  
 cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcggccgc tctagaggat 240  
 ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagtgtca cctaaattca 300  
 attcaactggc cgtcgtttta caacgtcgtg actgggaaaa ccttggcggt acccaactta 360  
 atcgccctgc agcacatccc ctttcgcca gctggcgtaa tancgaagag gcccgaccg 420  
 atngcccttc ccaacanttg cgcancctga atggcgaaat gggaaccccc ctgttaccg 480  
 ggcattaanc ccgg 494

<210> 18537  
 <211> 500  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-A4  
 <400> 18537

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 nagaagacaa cagaagggga aagctcaaaa agcaatgact cgaccgtcaa gattacttga 120  
 gacggcggcg ccaccaccac aaccgtcgga ggagatgac gcagcggaat ccgacatggt 180  
 ggtgatcttg tcggctcttc ttgcgctct tatctgcgtt gctggtctcg ccgccgtcgt 240

acgatgcgct tggctccggc ggtttacagc cagaggagat tcgccgtcac cgaacaaagg 300  
 cttgaaaaag aaagctcttc agtctcttcc aagatccact ttcaccgccg cggaatcaac 360  
 ctccggcgcc gccgctgaag agggagactc gacggaatgt gctatttgcc tcaactgactt 420  
 cgccgacggt gaagaaataa gaatgcttcc tccttggtgt cantccttcc acgtggagtg 480  
 tattgacaaa tggctaattt 500

<210> 18538  
 <211> 404  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-005-Q1-E1-A7

<400> 18538

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 aggtatgatt aggtttgatc atttctctct tgagaaccag agtgggttgt ctcgtttgga 180  
 ggcaaacgat gaagatgggt ctgttcaatc gggtagtcca ggatggatcg aacctagctc 240  
 cgatgttcct tatgggtccga agcattttag tgagttatgg tctgattcaa gcagtgatcg 300  
 gcttgatgat cagaggtttag tggatgatga tgtgaataac gagatgggta tagagagaaa 360  
 cgaatgggta ttgttgaata tatgaaagta tancctcaaga catg 404

<210> 18539  
 <211> 418  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> Clone ID: LIB35-005-Q1-E1-A8

<400> 18539

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 acggtaaagct ccgttacgcc aataactcta actacaagaa cgatactatt atccgcaagg 180  
 aggtatttct ccccccgcc gtgctcaagg aatgcaggcg tatcgtctcc gagagcgaga 240  
 ttctgaaaga agacgataac aattggccgg aacctgaccg tgttggaag caagagctcg 300

agatcgtctt gggtaatgag catatctcat tcgctacatc taaagattgg atctcctggt 360  
gattgccaaa agcagtaatg atcctgaagg actccgcac ctcactatc cttgttca 418

<210> 18540  
<211> 391  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-001-Q1-E1-G3  
  
<400> 18540

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tcagacattg cganaagaaa cgtgcatgga agacgctgtg gtgtgtactc gtagtccttt 120  
aaacggcaac cgttggatat gctttcacgt ttaagggaaa tagcgtggcg gagctgactc 180  
agacatatga tatgaaccgt ataagaanat antaagagtt ggtanttgtt acaagactcg 240  
ttgttacata gattgaaaaa aggcgtcggc acatgaacct tgcttaatct atagactatt 300  
tgtaagagtt ttgataatan gaaggactta taaattattt tttgggggaa tatnatataa 360  
gtttgttttt gtaaataanc caattctttg t 391

<210> 18541  
<211> 168  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-001-Q1-E1-G5  
  
<400> 18541

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gagaagacga cagaagggtta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120  
acgacagaag gggnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngcggc 168

<210> 18542  
<211> 400  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations



<223> Clone ID: LIB35-001-Q1-E1-G10

<400> 18542

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actagttgga gtttgcgctct caaaaggctg tgaacttcag aacttaagtc ttgaagagat 120  
gaaaaagctg agccctgtgt ttgaagaaga tgtgtttgga tttttggggg ttgaaaattc 180  
agtcaataag ttcagttcct atgggtcaac aggatcaaac tgtgttgctg agcaacttgg 240  
ctactgggtc aacaagctca acattacttc cacctgatcc ggaccaaacc attagcaaaa 300  
gatttgatga cgtttggtgca attttcatat ttattgaagg atttttgtcc ttaataccaa 360  
ggaagatttc aagcaacntg ttgcaaccgg tttgagaaaa 400

<210> 18543

<211> 480

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-001-Q1-E1-H10

<400> 18543

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caagtatgga gctgactcag acattgagag aagaaacgtg catggaagac gctgtggtgt 180  
gtactcgtag tcctttaaac ggcaaccgtt ggatatgctt tcacgtttaa gggaaatagc 240  
gtggcggagc tgactcagac atatgatatg aaccgtataa gaagatagta agagttggta 300  
nttggtacaa gactcgttgt tacatagatt gaaaaaaggc gtcggcacat gaaccttgct 360  
taatctatag actatttgta agagttttga taatangaan gacttatana ttattttttg 420  
ggggaatata agacangttt gtttttgtaa ataagcgaat ttcttgtnaa cgaacatttg 480

<210> 18544

<211> 391

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-001-Q1-E1-H11

<400> 18544

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cacgcctcgc ccagttttac aaagaggtgt ttgggttcga ggagatcgaa agtcctgatt 180  
ttggagacct acaggtgggtg tggctaaact taccaggtgc ttttgcaatg catattatcc 240  
agagaaaccc ttcaacaaat cttccaaaag gtccttacia gtgtacctc agcgggtaag 300  
gatcctancc atctcccaat gggtcacacn aacnggtttc cccgtcccaa atttcgactc 360  
cttcnntaat tctctcaagg gagaaangga t 391

<210> 18545

<211> 390

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-001-Q1-E1-H2

<400> 18545

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tctaggttac anggcgcaaa cggaagctgt taancttctt tgcgggagcc aaaaccagc 180  
cgaatccgga gaatacgggtg gggattttga caatggctgg gcaaaggagt tanagtattg 240  
actactccna cctctgatct tgggcaaaaa ttctgggcct gtattgcacc ggccttnnat 300  
gttgggaaag aagagatnta acttaaccgc caagctaata caagatttgc ccancctaac 360  
ctcttnannc aatcccccaa aaccaaggaa 390

<210> 18546

<211> 404

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-001-Q1-E1-H3

<400> 18546

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tcctttcntc ggattccttg gcgctgccgc cgctctcggtt ttctcctgta tgggancagc 120  
gtacgggaca gcgaanagcn gggttggngt agtgtcgatg ggtgtgatga gaccagacct 180  
tgtgatgaaa tcgattgttc ctgttggtat agctggagtt ttangnantt atgggttgat 240  
cactgctgtt atcaanagta ccggaatcaa ccctaaggcc aagtcttact atctattcna 300  
tggctatgct catcncctctt ccgggtcgtg cgtgtngtch ctcaggctctc tncgccggta 360  
tggctattgg gaantgtccg cgaagccggg tgttagance aatg 404

<210> 18547  
<211> 406  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-001-Q1-E1-H5

<400> 18547

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taatgggtca atctcaagtt tctctctttc ttcttctaatt tcttggtttc atctatggag 180  
tttcctccac cactttcacc atcgtaacc agtgtagcta caccgtctgg cctggacttc 240  
tctccggcgc cggaacctct cctttaccta caaccggatt ctctttaaac cctaccgaga 300  
cacgagttat cccgattccc gcagcttggg ccggctcgat ttggggctgt actctctgca 360  
cacaagacgc aancancgga agantcactt gcatcaccgg gggaat 406

<210> 18548  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-001-Q1-E1-H7

<400> 18548

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cagtcaagtg gcgtggaaag cccgtcttca tcaggcgaag aacagaagat gacatcaagc 180

tggccaatag tgtggatggt ggatccctga gggacccaca agaagactcg gttaagagtc 240  
 aagaatccaa gaatgggttg atcgtggttg gagtatgcac tcatttgggg tgcattccct 300  
 tgcctaatagc tgggtgattat ggtggttggt tttgtcccgt gtcacggatn acattacgat 360  
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<210> 18549  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 18549

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 tcaattcgga gatgattccg tttcctctgt taccaacgcc gattgaaacc aactacagag 180  
 cttgcaccat tccttataga ttcccttcog ataattctaa gaaagccact cctactgaaa 240  
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 tttcctgaaa ggctggaaga aaagattcaa anagtaatg 399

<210> 18550  
 <211> 402  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-002-Q1-E1-C1  
 <400> 18550

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 tttcgtgcgc cgtatcgaat taggtgcgcc gccgcttcac ctgggaaaaa acggtataac 180  
 atcgtctctgc ttcccgagaga cggtatcggg ccagaagtta tctctgttgc taagaatgtg 240  
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ggagcagcct tggatttggg tggagttcca ttgccggagg aaactttcac ggctgcaaaa 360  
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<210> 18551  
<211> 439  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-002-Q1-E1-D1  
  
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attcctgccg ccgctaaccg gtcatactct attatatccc ggaatggagt tgatttgggg 180  
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gaagagaata aganaagaac gatcaacaga ttgttgtata ggagcaagca aagaggggtt 300  
ttggaacttg atcttggttt ggggaattgg gttgaggaga atgttaattc catggacgaa 360  
aatggtgtta aatccctaata tcatgtcttc aatttggaac accctgatct ctggaaatgg 420  
ctaactgaac ngaacaagc 439

<210> 18552  
<211> 464  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-002-Q1-E1-D2  
  
<400> 18552

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tgccactcat taaaaccgta ccatcttaac caaagcgata acccgtagca ccggttcagc 180  
tatggaggat ttattggagg agaggctaac tcggactgac tctgtcggga ataaacgagt 240  
cagagacggg ttagacctcg actcgccgga cgtgaagcgg ttaagagatg atttggtcga 300  
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tgagttatcc gacaacgacg gcgggcgctaa ctccggtgaa actcancggg atttgggata 420  
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<210> 18553  
<211> 372  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-002-Q1-E1-E10  
  
<400> 18553

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gacgactggg gatgggatca atcatcttgt ggggggttact ccaaaaatgt tttgtatagg 300  
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caaggaaaaa aa 372

<210> 18554  
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<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<400> 18554

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aatgttactg agacaactat cgcttcagga gatgataaag gctgcggttaa gatttgggat 180  
acaagacagc gctcttgctc tcatgagttt aatgcacacg angattacat ttctggcatg 240  
acctttgcat ctgattcaat gaagctagtg gtaacaagtt ggagacggga ctttgtctgt 300  
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ttgtaaaatg aaaaatgcc ntaagtt 387

<210> 18555  
 <211> 364  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 18555

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aaggtttctt cgategtcga agagattctt tggacaagtc ccttccttcc tggttcaatc 180
ttcgattcag ctctctttta atttttttgg ttttggaag ctgctatgtt atttgagagg 240
cttancaaga aaccaccttc gcttggtgat ctttgcgtaa ggaaagcgat tgataatgta 300
aagtacattg ggatatgttg gtgggggtga ttttcagctc cntgagcaga ttctgcaana 360
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<210> 18556  
 <211> 383  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-002-Q1-E1-F6

<400> 18556

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aagacgacag aagggagaca cgtgaaatcg gatccaatcg atgattccgg cgaggagggt 60
tctcttatct ccatttgtcg gcgtcacgtt tatcgtcgtt ctcgtctctc tctacttcag 120
atcttccttc aagtctccac aacaccanta tcaaaagagg ttattttctg ctgangaatt 180
ggcattgtan aatgggtactg atgaaacatt acctatactc ttagggattc ttggatctgt 240
gttcnatgtg acganangaa aatttcatta cggtagtga gganggtaca ancattttgc 300
tggaaganac cttncgtgc atttggttct gggcaactn acnaganatg gacttacagn 360
ttcgttacag cggttaccga nca 383
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<210> 18557  
 <211> 460  
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-001-Q1-E1-C5

<400> 18557

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gcgagaagac gacagaaggg gaaggagaan ctcaatgaga gaattgcaa gctctctggt 120
ggagttgctg tgattcacgt tggagcacia nctgagacag aactcaanga gaanaagttg 180
anagttgaan atgctcntaa tgcaacaaag gccgctgtcg aggaaggtat tgttgttggt 240
ggtgggttga ctctgcttcg tcttgcttcc aaggttgatg ccattaaagc cacgcttgat 300
aatgatgaac aaaangttng agcggatata attaanagag cactaagtta cccctaaaa 360
ctaactgcca acaatgctgg tgtaaatgga agtntagtta ccgagaangt gctttccaac 420
gataacgtta aattcggta caatgctgca accggcaant 460
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<210> 18558

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-001-Q1-E1-C8

<400> 18558

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aggaacggtg ggaggaacaa gcacaacatg aggacncgtc agcccaatca gatgctcaa 120
ctgtggcaag atgttgcccc aaggacaagg ccattaagag gttcattgtg aggaacattg 180
tggagcaggc tgctattana gatgttcagg aagctagcgt ctatgaggga tacacattgc 240
cgnagctata tgcaaagacg caatactgtg tctcctgtgc tatccactct catgtcgtta 300
gagtcggtc ccgcaccaac cgcaagggtc gtantcctcc aactcggttc gncagacgc 360
nggnnggata ctccccaagc ctggggnaac aaga 394
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<210> 18559

<211> 447

<212> DNA

<213> Arabidopsis thaliana



<223> unsure at all n locations  
<223> Clone ID: LIB35-001-Q1-E1-C9

<400> 18559

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gtgtcgtgga catgatactc taccctctctg gtatctcttt tccttggggtt ttacgatgct 120  
gacttctgtc gctttcactg ctctgctcgg tgcttccgcg gtacttgcta cccattcac 180  
ccgtacccag aggacttgtg gcacacatat cagcgacgat cagggtgccc aggatgagan 240  
gtatttcogan gccaacagcg cttctcttga cgtcgacacg gcggccaagg gaaagggtcc 300  
ccgtttctcaa tgtttactgg cacgtcgtcc aaggccaaca agactttaga gggaagccat 360  
gttccaaaag tcacaagatn aanacccaaa atcgacgtgt tttnaacacc gcccnacnnt 420  
anctanttgg gcctccaatg ggaaggc 447

<210> 18560  
<211> 399  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-001-Q1-E1-C1

<400> 18560

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tatgcaggct gctgcagatg ctgctaagag tgccatgggt agtatcatag ggttggaactc 120  
agaaaagggt cagcagttgt gtgatgcagc aaatcaagaa gtagatgaag ctgacaaagt 180  
tcagatcgca aattacttat gtccgggtaa ttacgcagta tctggaggtc ttaaaggaat 240  
cgaagttggt gaagccaaag ctaagtcatt caaagcacga atgacgggtc gtctagctgt 300  
tgcaggtgct ttccacacta gtttcatgga accagcagtc tcgagattag aagctgcatt 360  
ggcagccaca agagatnaag aatccgagga ttccantga 399

<210> 18561  
<211> 436  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-001-Q1-E1-D1

<400> 18561

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gagaagaggc ttgatttggg atggagagga agagcttgtg tgattgagaa catattgtat 120  
tgttatgatt acttggggaa gattagaggg tatgatccaa aagagaggat ttggagagag 180  
ctgaaagggtg tggagtcact tccaaagttt ctttgtgggg ctacaatggc taatcgtggt 240  
ggaaagctta cggttttgtg ggaaggtaaa gctggtagtg gtggttctag ganaatggag 300  
at ttggtgtg cggagattga tgttgggaagg cgtggagaaa gggagatttg gggaaaaatt 360  
gaatggtctg gtaccgtgct tacggttcct aatgaatctg ccattgtgaa ttgcctggca 420  
actacaattt gntgat 436

<210> 18562

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-001-Q1-E1-D10

<400> 18562

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gstatcgacaa ctccgagtgg gtgcgaaacg gagattactc tccgtctagg tnacaggcgc 120  
aaacggaagc tgtaaatctt ctttgcggag ccaaaaccca gtcgaatccg gagaatacgg 180  
tggggatttt gacaatggct ggcaaaggag ttagagtatt gactactcct acctctgac 240  
ttggcaaaat tctggcctgt atgcacngcc ttgatgtggg aggagagatc aacttaaccg 300  
cagctatcca gatcgcccag ctagctctta agcatccgcc aaaacaagaa tcaacgcca 360  
agatattggt ttttgcctga aatccantca ggtccaaga 399

<210> 18563

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-001-Q1-E1-D4

<400> 18563

aagacgacag aaggggggag aaaaacagat caaaatagag aaatattgaa attcgtgcgt 60  
 tgagagaaaa acgttgaacg atgggagccg gtaatggaga aacgccaaaa cctacacaga 120  
 tttcaatttc taaagatcaa ttctctgctt ggaaacgcca aaaggatgct gagttattan 180  
 ccaaacaagc tgaagcagca aggaaacgac aagaggacat agcttcaggt cgtgttccaa 240  
 tgaatggctg tgagcttttc ntgcattgagc cttgggtttt cgacgatact catcattgat 300  
 tctgggncta ntcactactt cctcataggt aacagagatn attcnnctct cattagtact 360  
 gctacttgca tcccagagttt tatgaaattg ggacantg 398

<210> 18564  
 <211> 389  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-001-Q1-E1-D5

<400> 18564

ataccagcac taatgcaccg gatcccatca gaactccgca gttaagcgtg cttgggacct 60  
 cagactgaga atcgcccaag atgcagctcg cggattaacg tacctgcatg aagaaatgga 120  
 gtttcagata atattccgcg atttcaagtc ctggaacatt cttttggatg aggactggaa 180  
 agcaaagctc tcagatttcg gtttggctcg tttagggtcca tctgaaggat taacccatgt 240  
 ttctactgat gttgtaggta caatgggtta tgcagcacct gaatacatte aaaccggccg 300  
 tctcacatcg aaaagcgatg tgtgggggta tggagtcttc ctctatgagc ttatcactgg 360  
 gaggcgaccg gtggacagaa acagaccn 389

<210> 18565  
 <211> 398  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-001-Q1-E1-D6

<400> 18565

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 attcctgagt ttcgggaagc tttcacaaat ctcttcttca ctgttgagaa tacacaatoc 120

tcgtaatcat cagaatcctc ttattctccc tcttccttgt ttctctgccg ctectagtcg 180  
 tcategtcct ctgatttggc ttcgctcacc tccgcctgtg tctctgatga ccaactcaggc 240  
 tgagtctggg tcttcccagc aatccgattc ttccaaaacg gtgagagtgg tgataaaggg 300  
 aagagtacag ggagtgtgct acagaaactg gactgttgag aacgctgagc agctggggat 360  
 aaagggatgg gttaagaacg caaggatggt tcantgga 398

<210> 18566  
 <211> 404  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-001-Q1-E1-D9

<400> 18566

agaaggggga gaaaaagaga tggaaagaaa aaagttttct tcaaaattta ttcatttgct 60  
 cattgtgttt ttgcttcttt gtacgtttct ttctcgtaac gaatctgctc ttccttatca 120  
 ccatgaactg ttcttgggga ggaagcggat gaattattat aagcccaaca gtgccatagg 180  
 aacaccatca tcaactagtg gccacgtccc angcagtaat gggaggaagt tgatgagtat 240  
 atatagaccc aatggagaca tatttacagg accatcaggc antgggcatg ggtggggggtc 300  
 gcactccagc cccctangta tagatatata ttaatngta atcaaaggac tcacaancga 360  
 aagcttttaa ntncgatna cgtntaacgt aagccttggg ggta 404

<210> 18567  
 <211> 393  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-001-Q1-E1-E10

<400> 18567

cgtgggcggc tcgagaagac gacagaaggg tacggctgcg angaagacga cagaagggga 60  
 aacaagtcac acaacagata ttcacttttg ctctgaaatt agctggagaa ggaaatcctg 120  
 ttttagccaa ggaagctaca gcaattgcta tctggctctg gacccaaaac tttgattgct 180  
 gcaagcactg ggacaatctc tacaaggaga atctggaagc tantgttgct gttcttaaaa 240

agcttggttna anaatggana gagcattcng tcaaactatc atcatcaccg aatgatgctc 300  
 tcactctcaa ncgaaactat gaannagcnt cacgctaaaa gaangnggag tcatccccn 360  
 agggaagann caatgcctct ctttacaaaa gna 393

<210> 18568  
 <211> 410  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-001-Q1-E1-E11  
 <400> 18568

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 tgtagtttcc ggttacttcg aataaccttc aatggagctt cgttactct cgtatgctag 120  
 ctccgcgtcg ttttcacgga caggcttatg ctcttcttct tcttctctct caactagtat 180  
 ctatgagttt ccggagagaa gacggagttt aaaattgaga ttcaatgggtg gagaaaggtc 240  
 acgaagcggt atagcttccg ctgaacggag cagtgaaggg attgagaaga caacagacac 300  
 cgtcggtggc ggaagaagan gangagcaag canatttgct ggtactgcc a tgggaagtta 360  
 ctacacttga tcgtgggttt gctaactcca ccaccgttgg atttccgatt 410

<210> 18569  
 <211> 394  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-001-Q1-E1-E5  
 <400> 18569

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 tacggctgcg agaagacgac agaagagtac ggctgcgaga agacgacaga aggggtacggc 120  
 tgcgagaana cgacagaagg gtacgactgc gagaagacna cagaagggt a cngctgcat 180  
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg ctagaagacg 240  
 acaganggggt acngctgcga naanactaca gaagggtacg gctgcgagaa nacgacagaa 300  
 ggggtacggct gctagaagac tacagaaggg tacggctgcg anaagacnac agaattggtac 360

ggctgctaga anacgacaga atggtacggc ttcn

394

<210> 18570  
<211> 432  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-001-Q1-E1-E9  
  
<400> 18570

gcgtccggga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc 60  
gaagaagacg acagaagggt acggctgcga gaagacgaca gaagggacaa aanaaaaaaa 120  
aaaggctcta atgatgacat ttaatcgga ttaaattggt tcaggcatga gattgtgggc 180  
gtggtgactg aagttggagc caaagtga aaattcaacg ctggagacaa agtcggagtt 240  
ggctatatgg ccggctcgtg caagtcatgt gacagctgca atgatggcna cgaagaacta 300  
ctgtccaaag atgatcttaa cgtccggagc caaaaacttt gacgatacca tgacccatgg 360  
gtggatactc ccgaccacat ggtgtntngc tgaaggattc atcatccgnt atcctgacaa 420  
tctcccattn aa 432

<210> 18571  
<211> 220  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-001-Q1-E1-F10  
  
<400> 18571

ggctgcgaga agacgacaga aggggtacggc tgcgagaagc gacagaaggg tacggctgcg 60  
agaagacgac agaagggcag gagaaccgtg catctatctt tgtttggtat gtttctgttt 120  
tcttgtcatg aaaattatgc tcatgtatct tatctnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcggcc 220

<210> 18572  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-001-Q1-E1-F11

<400> 18572

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ctggggaaga cgaaccagtg actccacaag aaggcgatta tgcagctaac acacaagagg 120  
aacgacatgt ttctgcagaa acagaagaga aggtaggaga aacaaaacca aaagaatcac 180  
aaaccaacag aaaagggaaa taaccaatga agttccaagc ctggagaatt caaagattga 240  
agaagaacta cagaaaaaag atgaagaatc tgggaacacc aaagatttgt tttcagtagt 300  
aaaagaaact gaaccaacat tgaaagaacc tgcaaggaaa tcactatctg accacatcca 360  
aaaaagagcc taaaaacaga ngaagatgag aatnatgatt aaagatnatg aacataaa 418

<210> 18573  
<211> 402  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-001-Q1-E1-F2

<400> 18573

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tgtcgttggg atggttggna gcgatgttgc ctctcggaat catcggtggg atgctctgta 120  
tcatgggcaa ttctcagtac tacatcnaca aagcttatca tgggcgtcct aaagcacatc 180  
ggtcacgatg aatgggggatg ttgctatgga aagacgcgac acganagtct tcgagaaanc 240  
tgcantcctt tcctcatgat tcgctttatc tcttttgtgt tcctcanggg cttantgtga 300  
ccacttgtagg tgacaantaa agtgcattcn aaagtaanaa nancntgggg gatntagtagc 360  
tttcattccc atttgatttt ccttgggcat attaaanctt tc 402

<210> 18574  
<211> 124  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-017-Q1-E1-H9

<400> 18574

cgggctncna aaanacacaa gaagggttacg gttccaaaaa gacnacaaaa gggttacggtt 60  
ccaaaaaaaac acanaagggtt acgggttccaa aaaancacna naagggttacg gttccaaaaa 120  
anca 124

<210> 18575

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-027-Q1-E1-B7

<400> 18575

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actcgttgca gcgtcacgac cagttggaga aaatgtcttc tagaggaaaa aggaaagacg 120  
aagatgtcag agcatcagat gacgaatctg aaaccacgc gccggctaag aaagtccgca 180  
aagccagcag acgattccga ccagtctgac gatatcgctg tctgcaacat atctaagaat 240  
aggagagtct ctgtaaggaa ttggaacggg aagatttgga ttgacattcg tgagttctat 300  
gtcaaggacg gaaagacttt gcctggcaag aaaggatatct ctctaagcgt ggatcagtg 360  
aacactcttc gggaaccacg cagangatat cgagaaggcc tctctgacct ttcntagggtt 420

<210> 18576

<211> 374

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-016-Q1-E1-D2

<400> 18576

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ctcaaaggtc tagacttgct gtcagagctc agcagagtga ggagacttct cgcgggtccg 180  
tgattgggct tgttgctgct gggttagctg gtggctcgtt tgttcaggct gtccctcgccg 240  
atgctatttc gatnaaagtt ggccctctc caactccttc cgggtggcctt cctgggacag 300



ataactcaga ccaagcaaag anactttgca ttggcattga aagacangtt ttacttacag 360  
ccaattgccca ccaa 374

<210> 18577  
<211> 463  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-035-Q1-E1-C1  
  
<400> 18577

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acgaacagaa ggggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 120  
agaagggtac ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg 180  
gtacggctgc gagaagacga cagaagggtta cggctgcgag aagacgacag aagggtacgg 240  
ctgcnagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 300  
gaagacgaca gaagggtacg gttgcgagaa gacgacagaa ggggtacggct gcnagaagac 360  
gacagaangg tacngctgcn agaagacnac agaaagggtac cgctgcnaga agacnacaca 420  
aagggtaccgc tgccaaaaaa ccaccagaaa gggtnccgct gcc 463

<210> 18578  
<211> 485  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB35-039-Q1-E1-D8  
  
<400> 18578

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naaacacact nctgccnacg cgtccgcca cgcgtccgta cggctgcgag aagacgacag 120  
aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt 180  
acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa ggggtacggct 240  
gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga 300  
agacnacana aggggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga 360

cagaanggta cggctgcan aagacgacan aanggggaag aacacaacaa tggngtttcg 420  
 tgganattcc aaccagaagg attcctagga tttcaactca tctcactcct cagattggag 480  
 gccca 485

<210> 18579  
 <211> 364  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB35-006-Q1-E1-A11  
 <400> 18579

gacacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 60  
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 tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc 180  
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaaggata cggctgcgag 240  
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 300  
 acagaaggat acggctgcga gaagacgaca gaaggatacg gctgcgagaa gacgacagaa 360  
 ggat 364

<210> 18580  
 <211> 404  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB35-012-Q1-E1-B12  
 <400> 18580

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 ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg 120  
 gctgcganaa gacgacagaa ggggtacggct gcgagaagac gacagaaggg tacggctgcg 180  
 agaagacgac agaagggtac ggctgcnaga agacgacaga aggggtacggc tgcganaaga 240  
 cgacagaagg gtacggctgc nagaagacga cagaagggtta cggctgcgag aagacgacag 300  
 gaggggtacgg ctgcgagaag acgacanaag ggtacggctg cgagaanacg acagaagggg 360  
 ttgcttctca aaaaaaaaaan cntncnntnc ctnnnnnaaaa aana 404

<210> 18581  
 <211> 458  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-015-Q1-E1-F7

<400> 18581

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 gacgacagag gatacggctg cgagaagacg acagaaggggt acggctgcga gaagacgaca 180  
 gaaggggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac gacagaaggg 240  
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 300  
 tgcgagaaga cgacagaagg gtacggctgc nagaagacga cagaanggta cggctgcnag 360  
 aagacgacag aanggtacng ctgcgagaag acgacagaan ggtacggctg ccagaagacg 420  
 acagaaggggt acggcttcca gaagacnaca gaagggta 458

<210> 18582  
 <211> 334  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-016-Q1-E1-A4

<400> 18582

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 gacgacagaa ggggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 180  
 agaaggggtac ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg 240  
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 <211> 380

<212> DNA  
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<223> unsure at all n locations  
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<400> 18583

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gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtagcgct gcgagaagac 180
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agggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta 300
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<210> 18584  
<211> 425  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB35-042-Q1-E1-E11

<400> 18584

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agggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta 180
cggctgagag aagacgacag aagggtacgg ctgcgagaag acgacagaag gatacggtg 240
cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa 300
gacgacagaa gggtagcgct gcgagaagac gacagaaggg tacggctgcn agaagacgac 360
agaagggtac ngctgcnaaa agacgacaga angggacact tgacacaatt ctatccaaaa 420
tcaac 425
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<210> 18585  
<211> 366  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB35-042-Q1-E1-H11

<400> 18585

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gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggggtac 180
ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc 240
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gaangg 366
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 <211> 352  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 18586

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gtacggctgc gagaagacga cagaaggata cggctgcgag aagacgacag aaggggaggg 120
gaaaggttcc atgtgaacgg cacttgca ca tgggttagtc gatcctaaag agtcggggga 180
agcccgtctg atagcgctta agcgcgaact tcgaaagggg atccggttaa aattccggaa 240
ccgggacgtg acggttgacg gcaacgttag ggagtcggga gacgtcngcn gnggcctcgg 300
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<210> 18587  
 <211> 437  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 18587

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ttttatcaat ggctttcttca gcagtgtctc tccaatccat ctctatgaca actctcaaca 180  
atctttcatg taatcaacaa tttcatcgaa gctctcttct tgggccctct aaatccttcn 240  
aaaatcttgg tatctcatct aacgggttca gatttcgcct atcnatcaag tttcactgnc 300  
naagaagaac ctactgctt ctcgagctct ctcccaaac gggaatatcg anaaccctag 360  
aacgangnca aagttcaaga actgagtgtg ntncgaaatc nanngaagta gattgagaca 420  
gcccaaggat tcntaag 437

<210> 18588  
<211> 436  
<212> DNA  
<213> Arabidopsis thaliana  
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ttttatcaat ggctttcttca gcagtgtctc tccaatccat ctctatgaca actctcaaca 180  
atctttcatg taatcaacaa tttcatcgaa gctctcttct tgggccctct aaatccttcc 240  
aaaatcttgg tatctcatct aacgggttcag atttctccta tccatcaagt ttcactgcc 300  
agaagaacct cactgcttct cgagctctct cccaaaacgg gaatatcgaa aaccctagac 360  
caagcaaagt tcaagaactg agtgtgtacg aaatcaacga attagatnga cacaagccca 420  
agnttcttaa aaacgc 436

<210> 18589  
<211> 393  
<212> DNA  
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 ttatgatgat gagtttgatg atgatagagc agagagggaa ggattcaacc cgaggattca 180  
 aagttctagg agctcttcgc gggatgaatgg ctacagcang aaggatggga gctatcctcg 240  
 aaacactggg gcttccaatg gctatggatc gtcttctagg ttcaagcatg agcaaagaa 300  
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 tgacagaaat gtttgtgag gtggagaatt cga 393

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 <211> 349  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB146-011-Q1-E1-B7  
 <400> 18590

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 ctcaccgcag cttctctgaa gaagtctctg ttcttgatgg gcactttact cagctgggct 180  
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 <212> DNA  
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 <223> Clone ID: LIB146-025-Q1-E1-C5  
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 tcataattcg cgatcttgat ctatcgatct tcatttatat ataaaagcgt gaatgagatt 180  
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gctccccctcg gttacagcat tgaagacgtt cgtccaaacg gtggaatcaa gaaattcaaa 300  
tcttctgtct actcaaactg ctccaagagg ccatacctgag taccagcgtg caccgatctt 360  
cataatatag ttatagcttt c 381

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<212> DNA  
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atgaaggaca cccagacaag ctttgtgacc agatttctga tgcgatacctt gatgcttgct 180  
tagagcagga tcctgaaagc aaagtggcgt 210

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<213> Arabidopsis thaliana  
<223> Clone ID: LIB146-015-Q1-E1-H7  
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ggagaagttt gtggaaaagc caaaactgta tgtaggtaac aagatcaacg ctgggattta 180  
tcttctgaac ccatactgttc ttgataagat tgagctaaga ccgacttcaa tcgaaaaaga 240  
gactttccct aacattgcag cagcgcaagg gctctatgct atgggtgctac cagggttttg 300  
gatggacatt gggcaacccc gtgactacat aacgggtttg agactctact tagac 355

<210> 18594  
<211> 405  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB146-010-Q1-E1-F7



<400> 18594

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ttaaaaaactt cttctggttc cttttatcaa ctttttttct ctctcttaaa acttcgaagc 180  
gattttttgat ttacagacta tggaaatgga atcattcatg gacgacctt tgaacttctc 240  
tgtaccggaa gaggaagaag acgacgacga acatacgcaa ccaccgagga atattactcg 300  
ccggaaaact ggattacggc caacagactc cttcgggtctc tttaataccg acgaccttgg 360  
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<210> 18595

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB146-026-Q1-K1-B5

<400> 18595

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acagctgatt tagatctatt tcgtaagtgg gtctttcaaa gtcgtctcct ttgatctact 180  
ttgattcaag ggtcggtgat ttggtgataa gtcagtagaa atggataagg agaaatctcc 240  
agcacctcct tgtggagggtc ttctcctcc atctccatca ggtcgatgct ctgcattctc 300  
agaagctggt ccattgggtc atggttcaga tgctaactga atgagtcatg atattagccg 360  
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<210> 18596

<211> 358

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB146-012-Q1-E1-C11

<400> 18596

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gcctttcttg gtgaaaacct acgagatggc cgacgattca tcaacggacc agatcgtatc 180  
 gtggagcgct aacaacaaca gttcatcggt ttggaatcat gccgaatttt caccgctcct 240  
 tcttccaacc tacttcaaac acaataactt ctcttccttc attcgtcagc tcaataccta 300  
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 acgtgtgaat tggcatgaac tagagatctc ggggtgttggc aggcgcttgg tggggtgagt 240  
 attccttggg caagaacttg aaattattca gattcaaaac cagaaattgt aaatagataa 300  
 tggagatgcc aataaatctc ttttcttttt tgggtctaaa atgtcttcca agtaatcttg 360  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB146-012-Q1-E1-G4  
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 gagtatctcg ctctttgtct cctcatgctc gctaaagatc aaccgtcgca aacgcgattt 240  
 catcaacagt cgcaatcggt aacgcccgcg ccagaatcaa agaaccttcc gtacaagtgt 300  
 aacgtctgtg aaaaagcggt tccctcccaa caaggcttta agcggtcaca aagcaagtca 360

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380

<210> 18599  
<211> 408  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB146-009-Q1-E1-A1  
  
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tagggcttgg atgctttgtt ttcattgaag aagaagtaga aggagtgtat acaaggatta 180  
tggaactca catcaatttc aacaacttag gaggtggtgg tcctcctgga ggggaaggga 240  
gtagtaacca gatgaagcca acgggtagtg tcatgccctt ggctaggcag tcctcgttct 300  
actcccttac ctttgatgag ttacagaaca cactagggtg accgggaaaa gattttgggt 360  
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<211> 399  
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tatcgagag cagcaatact ctactttcgg gtacatttta agcaaactg ggaacgcagg 180  
agcttacgag attgaccctt cgatcccaa catcgacgat gcgatctacg gctcagatga 240  
gttcggtatg tacgcttaca aaatcaaacg gtgtcctcgt actcgtagcc acgactggac 300  
ggagtgtccc tacgctcacc gtggcgagaa agccacacgc cgtgatcctc gccgttacac 360  
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<210> 18601  
<211> 308  
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB146-008-Q1-E1-B9

<400> 18601

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ctttcgggta caatttaagc aaacctggga atgcaggagc ttacgacatt gacccttcga 180  
tctgaaacat cgacgatgcg atatacggct catatgactt cgtatgtac gcttacaaaa 240  
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<210> 18602

<211> 381

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB146-018-Q1-E1-B9

<400> 18602

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gaattcgcga tcttgatcta tcgatcttca tttatataat aaaacgtgaa tgagattatg 180  
atggagtcga aagggtggtaa aaagaagtcc agcagtagta gttccttaat ttacgaagct 240  
cccctcgggt acagcattga agacgttcgt ccaaacggtg gaatcaagaa attcaaattc 300  
tctgtctact caaactgctc caagaggcca tcttgagtac cagcgtgcac cgatcttcat 360  
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<210> 18603

<211> 391

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB146-010-Q1-E1-F5

<400> 18603

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aatccaccag ctgtacaggc cgttgctacg gtcaggcctt ggttttggct ctcaaagatg 180  
gctcgctaca cttcagagac agtgcgagtg tctcgccatc ctcatgtctt cctccgttac 240  
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<211> 404  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<400> 18604

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<210> 18605  
<211> 409  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB146-002-Q1-E1-H1  
<400> 18605

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caatgcgctc gaaccatccc aatcatcaa gagcgagggt ggtcgcatcg aggtctggga 180

ccaccatgca cccagctcc gttgctccgg ctttgctttt gaagcgtttc gtcattgagc 240  
ctcaggggtct tttcttgccc actttcttga acgccggcaa actcacgttt gttgttcacg 300  
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<210> 18606  
<211> 453  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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aaggatgtgt tttccgcacg gtgaaacgag cagttctgat cggaacggc tgcgccggcg 180  
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gaattcatcg ttttatcang cactatctgt gccgggatta tccattaacg ctactggaat 360  
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<210> 18607  
<211> 65  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<400> 18607

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tcgac 65

<210> 18608  
<211> 95  
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-002-Q1-E1-H6

<400> 18608

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<212> DNA

<213> Arabidopsis thaliana

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<223> Clone ID: LIB146-002-Q1-E1-H7

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gcaatgcact gagtcacaat tccaanatca acaagattct tttttttcca agggcctaaa 180

aaatttcaga cacatganaa gttaaacatt tacattcaag ggggaaaaca ggccatattc 240

ancaatgtna aggtgtgant gtgatgtacc atanacatca gagtttttcc tttcagcgag 300

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<211> 475

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<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-002-Q1-E1-H8

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gggtctctgct tcttcttgcc tcctttttac ttcttcaagt tcttgagtc tattttctcg 180

acaattttct ctgaaaatct ttacggggaa agttgttctc atcactggtg ctctctccgg 240

tatangcgag canttggcat atgagtagcg atgtagangt gcatgtttaa gccctgaccg 300  
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 cccaatgttg gtcaaccgtt catgccgaat gtctccaaaa cctgatgact ggtggacgaa 420  
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<210> 18611  
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 <212> DNA  
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 accgncgtac tcatcgaagc cctaactgct ctcggggcag aggtcagatg gtggtcctgg 300  
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 gaccttctca gccattcaaa ggcgctagaa tcaccggatc tcttcacatg acgatccaaa 180  
 ccgccgtact catcgaaacc ctaactgtc tcggtgctga agtcagatgg tgttcctgca 240  
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 <212> DNA  
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tgatccagat ctgctcggtt ctcccgctcg tggatcatct cgcgctcgtg tccatgcctt 180  
cgccgggatt tcttctcat tcaccgggga cgctggatta tcctccagga tcttaagatt 240  
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gatgcactga aaacctcgat gacccgtcgg atgctgacgt gtacaagcca tcaactcgat 180
acattancac acttaacagc tacaatcttc ctatcctcaa gacttctcgg ccttagcgct 240
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aatatttttt ttttttgaga aaccaagaag gtatctcagt gacggagatg tccttatatc 240
ataccaaact tcaacaaaaa caagtattgg agtcgactgt gtgatagggt cgtcctcatc 300
caaagacata gcttgaagga ctttttgata taattatgtg tttggtgtgt ataggtgtgg 360
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ttaagatttt aatagtaaca taagatttga ccaatatatg agatgcaagt attttcatgg 300  
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<211> 291

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB146-014-Q1-E1-C2

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aattcgcgat cttgatctat cgatcttcat ttatatataa aagcgtgaat gagattatga 180  
tgaggtctaa aggtggtaaa aagaagtcca gcagtagtag ttccttattt tacgaagctc 240  
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<210> 18622

<211> 314

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB146-029-Q1-K1-H10

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aagagaattc taactccgga ttgtaatcaa tattcctcta cataaaaagc gtgaatgaga 180

ttatgatgga atcgaaagct ggtaataaga agtcaagcag caatagttcc ttatggttacg 240  
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aatcttctgt ctac 314

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<213> Arabidopsis thaliana  
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gttcataatt cgcgatcttg atctatcgat ggtcatttat atataaaagc cgtaatgaca 180  
ttatgatgga gtcgaaaggt ggtaaaacga actccagcag tactagttcc ttatttttacg 240  
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actaacccca taggccccaa aatgaggaaa tgccgcaagg agtttcagaa agaacaacac 240  
ctaagagctt gccagcaatt gatgctccag caagcaaggc aaggccgtag cgatgagttt 300  
gatttcgaag acgacatgga gaaccacag ggacaacagc aggaacaaca gctattccag 360  
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455

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gatccgtacc ggtacgtttt ccgatactta ctcagctagc aagctattcc gcaatggcag 240  
cgctctcttc ctctgctagt ctcgagtatg cacgcaaggt gtttgatgaa attcctaaac 300  
caaattcttt cgcttggaat actcttatcc gtgcttacgc ttctggacca agaccctgtt 360  
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<210> 18627  
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<212> DNA  
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<210> 18629  
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 tgcttcctcc tcaccaacgc ttccatctac cgcaccgtcg ttgagttcga agaagatgac 180  
 gccactaacc ccataggccc aaaaatgagg aaatgccgca aggagtttca gaaagaacaa 240

cacctaagag cttgccagca attgatgctc caagcaagca aggcaaggnc gtatcgatga 300  
 gtttgatttc gaaagacgac atggagaacc cacagggaca acagcaggaa caacagctat 360  
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<210> 18631  
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ttgcaacacc atctggtgta gctcaatggt tctacaacaa tggaaatgag cctctcattc 360  
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ctttttcgct atgatgtcac tgctgcgaa accaaagtta tcccggggaa gtatggtttc 360  
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cattatccac cgccgataaa aaagtatccn ccgcaagaac agtatccanc ancgattaaa 240  
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<223> unsure at all n locations  
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<223> unsure at all n locations  
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<400> 18641

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aatcttcaag gaaaccctca gggccgccag gccaaactctt caaaatgctt tgcccaatgg 180  
tttccgcatt gcctctgaat ccaaggacgg ggacacctgc actgtgggcg tgtggattga 240

tgctggcagc agatgggaga ccgagaaaaa caatggtgtc gcgcacttcc ttgagcatat 300  
gaacttcaag ggaacaggaa agaggtcgag acaggatatt gagtttggga tggaaaagat 360  
gggtgctcat ctgaatgcct acacttctcg ggagcacacc tggttattac cntgnagtgc 420  
ttcaaaaaag aacgttcccc gangcagttg aatattcttg ctgganac 469

<210> 18642  
<211> 358  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB146-002-Q1-E1-G4  
<400> 18642

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ctgtgcgtgt ccggagactg aaaagcctga agtanggaaa caaagtagtt ttatcagaca 180  
aaaaaaagat ttttgataag attcaagttg gatgccctta ataccttata gatgttgaca 240  
gctggtgcgt acttgtctgt ttgtgttttc tctttgtcaa gaaggaaata gactctagta 300  
tcgactttag atgtctcgtg ccacgacttc acagctgttt ccatagtctc aacaataa 358

<210> 18643  
<211> 270  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB146-001-Q1-E1-B9  
<400> 18643

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acgggtgagt aaacccgtaa ggcgcaagga agctgattgg cgggatccct cgcgggtgca 120  
ccgccgaccg accttgatct tctgagaagg gttcgagtgt gagcatgcct gtcgggaccc 180  
gaaagatggt gaactatgcc tgaacggggt aaagccaaaa ggaactcngg gnggaanccc 240  
ccaacgatac tgnngtttna aacnnttccc 270

<210> 18644  
<211> 403  
<212> DNA  
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-001-Q1-E1-C10

<400> 18644

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tatggaataa atgccctaca gagattttcg ttgctctgca attgttatca tcagctgtat 120  
agcctgtatt gcaatggatg gttacaaaaa tgccacttct ctccttggtg ctatgttgaa 180  
caacataatg tgatgtgttc taaaagcatg tgccttgatt tcagatttaa catcagggaa 240  
gcaagttcac tccctctgcc acaaatttgt atctttcttc cacttatgtt agtcatgggg 300  
ctagattttg gaagcgagtg catgtgaatt ccataaagct cgggtttgaa tcaaatgggt 360  
tgatacaaag tgggctgatt gatatgtaca ggaagtatag gtt 403

<210> 18645  
<211> 453  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB146-001-Q1-E1-C11

<400> 18645

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ggttttgcag ccttgccaaa ggcatttagt ccatggcatt gatttgatcg taaaaggtac 120  
aactcaagac ggcaaggtta tactgtcacc cttggagatg cgttctcagt tctacattct 180  
gtgttatgat gtgcaaaaca atgatttgag aaagggtgaa atcacaggag taccacgcct 240  
ttggttgcat aaagaatgca attttgactt gaagtttatg gatgagagtg agagcttcat 300  
ctacttgga atttgaccaa tacttttgac ttttgtttgt gtaccagata agaatacagt 360  
taagtttttt ttttttcttc tgtcaagatt agtctcctac ccataaatcc accgaaccct 420  
cgttaacatt tattatcaat caagancaca aag 453

<210> 18646  
<211> 410  
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-C3

<400> 18646

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cagcagcctt tgtcatcggt ctagctatga ctggattcct ggcttcaggg gccatagggtc 120

tcaccggact atcatccatg tcgtgggtac tcaactacat ccgccggggcc gggcagcata 180

tcccggagga gcttgaggaa gcgaagcatc gtttggtga catggccgag tatgtgggac 240

agaggactaa agatgctgga caaacatag aagacaaagc tcatgatgtc cgagaggcca 300

agacttttga tgtccgagac cgagacacca ccaagggtac tcataatgtc cgagacacca 360

aagactacat aaancgtgtg ttttgagtga accatgttga ataaaaaaaa 410

<210> 18647

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-C5

<400> 18647

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cttcctcctc accaacgctt ccatctaccg caccgtcgtt gagttcgaag aagatgacgc 120

cactaaccctc ataggcccaa aaatgaggaa atgccgcaag gagtttcaga aagaacaaca 180

cctaagagct tgccagcaat tgatgctcca gcaagcaagg caaggccgta gcgatgagtt 240

tgatttcgaa gacgacatgg agaaccacaca gggacaacag caggaacaac agctattcca 300

gcagtgtgtc aacgagcttc gccaggaaga gccagattgt gtttgcccca actttaaaaa 360

aanctgchna ggccgttaga ctccagggac agcaccaacc aatgcaagt 409

<210> 18648

<211> 386

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-C7

<400> 18648

agtcaccana accagcttga ccgcaaccca aggccathtt acttagccgg aaacaaccca 60

canggtcaag tatggctaca aggacgagag caacagccac agaagaacat cttcaatgga 120

tttggacccg aggttattgc tcaagctttg aagattgatc ttcagacagc gcagcaactt 180

cagaaccaag atgacaaccg tggaaacatt gtccgagtcc aaggcccggt cgggtgtcatt 240

aggccgcctt tgaggggcca gagacctcag gaggaggaag aagaagaaga aggacgacac 300

ggacgacagc gtaatggctt agangaaanc aancggaacg gccaggtgca cngataacct 360

cgatgatccg tctcgtgctg acgtgt 386

<210> 18649

<211> 70

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-C8

<400> 18649

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ttgatcttca 70

<210> 18650

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-C9

<400> 18650

ttgntgcgcc ngccgtnann atccaanaan gcccggtcg acccaaact cngaacatat 60

tcaccattac cttcttcttc tctctcttct ccttcgtttc tcaactccaaa tttggaaccc 120

taaatcctaa tctcttctga ttagttctct tctctatcgg nattcttaac gttgagagga 180

gtctgatatt tgccgtgact caagagattc caggtgtttc cgacggtata tattttacata 240

tgggcgtcgt tggntctgac tctctctctc cgtttaagat tcttcgtat ctctctctgt 300

cgtcttcgtc tctcttctcc cgttctctga tttctttcag gaccactgag tctcgtctct 360



gaatctgcgt ttctgggttac gcgaaatgca atttgcctaa ggnactaaac gggaacgctc 420  
gtgttccaat taataatgag acgacaattc cta 453

<210> 18651  
<211> 232  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB146-001-Q1-E1-D1  
  
<400> 18651

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tttgggtctga aatagccgta cgcactctgg aggtagagcc caagaataat aaagtaagag 120  
aagtaacccg ggctatgagc tatttcgtcg ttttcttgcc ggagttcgct agccgttcaa 180  
tccgatcttc ctttcgcatg gcagaagagc gcggctcgag actactcttt ca 232

<210> 18652  
<211> 406  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB146-001-Q1-E1-D12  
  
<400> 18652

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tccgattggc taatgcatcg ataagcgttg atttccctga cccgctcgct ccaagaacag 120  
ccatcatctc tccttcccgg gcttcaccag aaataccatt caggagcacc ttagtattca 180  
tctccatatc attaccatca aaaggtgaat tcccacaaca aggaaagggc ttaaacttct 240  
tcttgatctt cacgctgtaa gtcaagtctt tgaaggaaag aacaaacgga gaagaagaag 300  
gcacacgaga agacggaacc gaggaccaga aattggacgc aaccgcaata tccatagccc 360  
gactctggtc atccccctca tcttccacac tcatgagaag ttctgc 406

<210> 18653  
<211> 457  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB146-001-Q1-E1-D3

<400> 18653

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gttacgttct cgttttctca aattccaaac aataccaaga aacctctact tgaaaagaga  120
agattatcgc cgcgtgtgtg cctaagagcg atggcgtctg agaaacaaaa acaacatgca  180
caacctggca aagaacatgt catggaatca agcccacaat tctctagctc agattaccaa  240
ccttccaaca agcttcgtgg taagggtggcg ttgataactg gtggagactc tgggattggg  300
cgagccgtgg gatactgttt tgcacccgaa ggagctactg tggttttcac ttacgtgaag  360
ggtaagaag aaaaagatgc acaagagacc ctacaaatgt tgaaaggagg tcaaacctc   420
ggactccaag gaacctatcg ccattccaac ggattta                               457
  
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<210> 18654  
 <211> 405  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB146-001-Q1-E1-D5

<400> 18654

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tcgtggcgta tttgcttatt cgtttaagtg tgtggaattg attttcaatg ggagataatt  180
ctggtagaag tagaaactct atgatggcaa ctgtttcttc tgggaaagag ttgttaccta  240
agagaagctt agtagctgct attccaagag ctgttcagca aaaaatctct aagcatgttt  300
cgtttgggaa taatggtaga tttggaaagt ggaaccgcgc gtaatgcaac tgtgtttcca  360
accctaatcc ncggtttaag aagttgttcg aagggtttca aaggc                               405
  
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<210> 18655  
 <211> 406  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-D8

<400> 18655

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tggtttgatg agtaaaatga nttgggttgt aatggttaat ggtttcaatg gtttacccaa 120  
ttaacccatc aagttttgta aaattgaatt aaaccaacta aaatctctaa accaatgcca 180  
atttaagttt aaccaacaca tctaaaccaa tttaataaaa ttaatatattt tccaaatttc 240  
ttaaataatac aagcgatgaa attgagaaaa agtaaaactcg taagttttcc accaaaaaac 300  
ataaatccgt gatttttccg caaaaaacgt aaaccccggtg attttcctcg tcaaaaacgt 360  
aaaccgaag atttccccgc caaaaacgaa aatccgaaga ttttcc 406

<210> 18656

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-B8

<400> 18656

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agctatgacg cttgactcag agtacttacg tggctcaatc gcagccgttc attccatgct 120  
ccgccacgcy tcatgtccag aaaacgtctt cttccatctc atcgctgcag agtttgaccc 180  
ggcgagtcca cgcgttctga gtcaactcgt ccgatctact ttcccgctgc taaacttcaa 240  
agtatacatt ttccggaag atacggtgat caaccttatc tcttcttcaa tcagacaagc 300  
tttagagaat ccattgaact atgctcggaa ctacctcgga gatattcttg atccatgcgt 360  
agacagagtc atttacctag actcggacat catcgctcgtc gacgacntaa caaaagcttt 420  
gggaacacga ctttaacaga gtcaangaat catg 454

<210> 18657

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-D9

<400> 18657

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atcctcttca atggctacac tgcccaacag tggcccaacg agtgccagct cgatcaactc 180

aatgcgctcg aaccatccca aatcatcaag agcgagggtg gtcgcatcga ggtctgggac 240

caccatgcac ccagctccg ttgctccggc tttgcctttg agcgtttcgt cattgagcct 300

cagggtcttt tcttgccac tttcttgaac gccggcaaac tcacgtttgt tgttcacgga 360

aggggtctaa tgggaagagt tattccggga tgcgccgaga cgttcatgga gtcaccggtg 420

ttttggagaa ggtcaaggtc aagggtcaga g 451

<210> 18658

<211> 449

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-E10

<400> 18658

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cacaaacaca cacaaatctc tgaagtaaaa tgacgttccc ttctctttct gtctcatttc 120

tcttctttgc cttcatattc gttacgcatg cattcgacct cagcatcatc cagatgcaac 180

agggaaacatg tccgtacacg gtggttgta tgacaagctg tctttctccg gagtcgacaa 240

gagatcagat cagcattgtt tttggcgatg ccgacggtaa caagggtgat gcaccgaaac 300

taggggggtt ggtaagagga ccaggggggtt tggggaagtg ttcaacgaac acattccaag 360

tcagagggtca atgtttgaat gaccctatct gctctctcta tatcaaccgg aatgggaccc 420

gacggttggg tcccggagtc cattgagat 449

<210> 18659

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-E11

<400> 18659

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agaatcttga agcggataat gtcgagacgg aggttctagt gtgtggaggt gcacccaaaag 120  
gatcatacaa cctcgctaga aagaaaactt tcgtgaaagc gcttgacacg tgtgcaagga 180  
tcaagattaa cgatgccaaa cctgaatggg cggttgagaa gatgccacat gctagagtta 240  
tgggagatat gattcctttg ccaaacggag atgttttgct aatcaacggg ggatcttttg 300  
gtactgctgc atgggagctt ggtcgtacac cggttttagc accggaccta taccatcccg 360  
agaatccggg ttggtctagg tttgaatcgc taaggccgac tacaatcccg agaatgtatc 420  
actccgcggc tattcttcta cgtgacggta g 451

<210> 18660

<211> 403

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-A1

<400> 18660

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aagttgtctg aaggacaatt gattgatggg agattggaat gtttgtatca tggntggcaa 120  
tttgaaggag agggcaaatg tgtcaagatt cctcagcttc ctgcaagtgc taanattcca 180  
aaggctgctt gtgtgaagac ntangangtg aangattcac aaggagttgt gtgggtgtgg 240  
atgtcaacaa agacacctcc aaaccctgag aancttcctt ggtttgagaa tttcgctnga 300  
cccggttttt tcgacatttc gactactcat gagntccnt atgnchaatc nantccttta 360  
ngacaaaccn gaaggggttc tgcnaaggt ccctacccn cat 403

<210> 18661

<211> 461

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-A11

<400> 18661

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 gcttcacttc ctctgtcttc actgaagaag tgaaccatan gactcaaacc ctttctctag 180  
 ctctgtctcc tgctccttac caccacggcc accaccacc acaccctcct catcaccacc 240  
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 cggttaaggc accagtgtct cnacnagnca ancctccggt taagcccccg gtttaccac 360  
 ccaccaaagc cccggtgaaa cccccaacta aacccccgng tcaggccacn tgtttcccca 420  
 ccaagnaaa cctcnggtta ggncaccagt ttaaccctcn g 461

<210> 18662  
 <211> 450  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB146-001-Q1-E1-A12  
 <400> 18662

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 ctgaacacgt aaagctttgt ttcactcagt gtttcccgat cagatccaat ggagagaggt 180  
 ggttatcgag gaggtcgtgg tgatggccgt ggtagaggtg gccgtgggta tggcgagac 240  
 ggaggaggag gagaacaagg tcgtgatcgt ggctacggcg gcggagaaca aggtcgtggt 300  
 cgtggtcgtg gctcagagcg aggcggcgga aatcgtggtc aaggtcgtgg tgaacaacag 360  
 gattttcgaa gccagagtca gcggggacct ccgccaggtc acggtggccg tgggacgacg 420  
 cagttccaac agcctcgacc acaggtggct 450

\*  
 <210> 18663  
 <211> 464  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB146-001-Q1-E1-A3  
 <400> 18663

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 gcttgaccgc aaccaaggc ctttttactt agccggaaac aaccacaag gtcaagtatg 180  
 gctacaaggc cgagagcaac agccacagaa gaacattttc aatggatttg gacccgaggt 240  
 tattgctcaa gctttgaaga tcgatcttca gacagcgag caacttcaga accaagatga 300  
 caaccgtgga aacattgtcc gagtccaagg cccgttcggt gtcattagtc cgcctttgag 360  
 gggccaagag acctcaggag gaggaagaag aaagaaagna ggncgacatt gaccaacacc 420  
 ggtaatggct taaaggagac atctgcagcg ccaggtgcan cgaa 464

<210> 18664  
 <211> 456  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB146-001-Q1-E1-A5  
 <400> 18664

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 caccaacaa caaaacccta gttttggttt ctctggatct gaagaatctc catgactatt 180  
 ctcatagatc gccactctga tcagaacggt tcgtgaccc ttgtactcgt tttactttgg 240  
 atctttcttt ctctatgctc tgttttgaaa tgatcttatt atagattttt ttgatgattg 300  
 agtttgagtt acttttagatg caggagatga gattgtagag aagaatcagg ggaatggtaa 360  
 agaggaagaa acagagttgg tgtttagatgc aggttttgag ggccctnaag acaaaggnc 420  
 ttnggtcaca ccttttagga ttatgatgct gagag 456

<210> 18665  
 <211> 407  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB146-001-Q1-E1-A7  
 <400> 18665

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cctgtttgcc cgaagaccga aactcttagc cgtgcaagtt ttccggangg ctttatgttt 180  
ggtactgcaa ccgcagcctt tcaggtggaa ggtgcagtaa atgaagggtg cagagggtcca 240  
agcctgtggg acatctacac caagaaattt ccacatagag ttaagaatca caatgctgac 300  
gaggccgtcg atttctacca tcgctacaag gaggatatcc aattgatgaa aaancctgaa 360  
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<210> 18666  
<211> 408  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB146-001-Q1-E1-A8  
<400> 18666

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gcaatgcact gagtcacaat tccaagatca acaagattct tttttttcca agggcctaaa 180  
aaatttcaga cacatgaaaa gttaaacatt tacattcaag ggggaaaaca ggccatattc 240  
aagaatgtaa agtgtgatgt gatgtaccat aaacatcaga gtttttcctt tcagcgagta 300  
tgcaaagaag gaacagaggc ggctttggga agtttgatt ttatctgctc aaacatattc 360  
ccnactcct caacagtanc tgggtgcattc ctaaactgag gattctcg 408

<210> 18667  
<211> 326  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB146-001-Q1-E1-A9  
<400> 18667

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ttcctgaac caaacctca acatcttgaa ccctctttgt ccccatctgg aatgcatcag 180



tacaaaattt cacttcatca aatatagaat tgatcggtgc acttttacca accccacttt 240  
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<210> 18668  
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 <212> DNA  
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 <223> unsure at all n locations  
 <223> Clone ID: LIB146-001-Q1-E1-B1  
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 tgttttgccg ctagtaaag ttatggacag tggactgcat agacagagat atggtgaaat 180  
 aagtaaacia aggcttgatc gtgccattct taccttcttc caaaatttcc ggaagtctta 240  
 cgttggtgat caggccatgc attcatcaaa acagttgtat gccagattga aagaactcct 300  
 tggactgcat gatcatcttg ttctgttgaa cgttattgtt ggcaagattg ctacaaactt 360  
 aaaatgttat acaagagagt gaagaagtca ttaatcacac gccaaagttt tgttcccggg 420  
 agttggcatc cgggatacat gaccggggaa agctgctttt 460

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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 tggcaaaacc attttactg agaagattct caattttatg cctagtattg ctatcattaa 180  
 catggacaac tataatgatg gtactcgtgt tatcgatgga aactttgatg atccaaggtt 240  
 gactgactat gatacacttc ttgacaatat acatggtcta agggatggaa aacctgttca 300

ggttccanta tatgacttca agtcnagttc tcgaataggt tacagaacgc ttgaggtgcc 360  
 tanctctcgc attgttattc tagaaggcat atatgctttg agtgaaaaac tacggccttt 420  
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<210> 18670  
 <211> 451  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB146-001-Q1-E1-B3  
 <400> 18670

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 tacaactgcc aacagtggcc caacgagtgc cagctcgatc aactcaatgc gctcgaacca 180  
 tcccaaata tcaagagcga ggggtggctgc atcgaggtct gggaccacca tgcaccccag 240  
 ctccgttgct ccggctttgc ctttgagcgt ttcgtcattg agcctcaggg tcttttcttg 300  
 cccactttct tgaacgccgg caaactcacg tttgttggtc acggaagggg tctaattggga 360  
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<210> 18671  
 <211> 455  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB146-001-Q1-E1-B4  
 <400> 18671

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 tccatggcta cgcggctcaa cagggtcagc agggtcagca gtttccgaac gagtgccagc 180  
 tcgaccagct caatgcgctc gagccttcan acgtactgaa gagcgaggct ggtcgcacgc 240  
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tcategagtc taanggtctc taattgcect ctttctttaa caccgcgaag ctctccttcg 360  
 tggctaaagg acgacgtctt atgggaaaag tgattcctgg attccccga aacattccaa 420  
 gactcatnag agttccaacc acgcttcgaa ggtca 455

<210> 18672  
 <211> 460  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB146-001-Q1-E1-B6  
 <400> 18672

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 gccctctgct tcctcctcac caacgcttcc atctaccgca ccgttgctga attcgaagaa 180  
 gatgacgcc gcaaccccggt aggtccaaga cagagatgcc agaaggagtt tcagcaatca 240  
 caacacctaa tagcttgcca gagatggatg agcaagcaaa tgaggcaagg acgtgggtgg 300  
 ggctcttccc tcgacgatga gttcgatttc gagggcnccc agcanggata ccaagctact 360  
 ccagcantgc tgcaacgagc ttcggcagga agagccagtt tgcgtttggc cctacntnna 420  
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<210> 18673  
 <211> 461  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB146-002-Q1-E1-B3  
 <400> 18673

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 ctacggggct caacagggtc agcagggtca gcagtttccg aacgagtgc agctcgacca 180  
 gctcaatgag ctcgagcctt cacacgtact gaagagcgag gctggctcga tcgagggtgtg 240  
 ggaccaccac gctcctcagc tccgttgctc aggtgtctcc tttgcacgtt acatcatcga 300

gtctaagggt ctctacttgc ctctttcttt aacaccgga aggcctctcct tcggtggcta 360  
aaggacaagg tcttatggga aaantnntcc ctngantgnc cccaancaat cccaaggact 420  
ccatnanagn tnccaacaag ctttcaaagg gcaaggtaa a 461

<210> 18674  
<211> 413  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB146-002-Q1-E1-B5

<400> 18674

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gcctctctat tctttgatga acttcagtcg ggataattaa ttactaaaa ctcttccaaa 180  
atgtcacatt ccttcttcaa tttantccta atctctcttt tcctctacaa canttgcatt 240  
gcgcacact atacattcac gttagggaag ttccatatac caaactgtgt agcacnaaag 300  
gcgantttta ancgttaana ggcangtttc ccggaccgaa ttannaaggg tcacanangg 360  
gagacactac tttatgttta anggttcaaa anccgganct agtggnanac nat 413

<210> 18675  
<211> 404  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB146-002-Q1-E1-B6

<400> 18675

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cttctcgcat caccgtaatc ggagttgtct actgtgacac gtgttctatc aacactttct 180  
caagacaaaag ctattttctta caaggtgtgg aagttcatgt gacatgtaga ttcaaagcaa 240  
gttcacaaaa aacagcagag gaagtgaaca tatcagtana caagaacaac aaacagaagt 300  
ggcgtgtaca anctcgagat ccttcacgta gatggcatcg attgtgtcga cggaatcgct 360

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404

<210> 18676  
<211> 398  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB146-002-Q1-E1-B7

<400> 18676

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gaacgagtgc cagctcgacc agctcaatgc gctcgagcng tcacacgtac tgaagagcga 180  
ggctggtcgc ancgaaagggtg tgggaccaca acgctcntna gctcngtngc tcaggtgtct 240  
cctttgcacn ttacatcatc aantctaagg gntctctact tgccctcttt ctttaacacc 300  
gcngaagctc tctttcgtgg ctaagggacn aggtcttatg ggaaaagtga tccctggatg 360  
cgccnaaaca ttccaagact catcanagtt ccnancac 398

<210> 18677  
<211> 368  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB146-002-Q1-E1-B8

<400> 18677

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gttctcctcg tccttaacgg ctgccttgcg angcagtcac ttgggggttc tcctcagcta 120  
cagaacgagt gtaacctcga caacctagat gttctccaag ccaccgaaac tatcangagt 180  
gaagccgggc agatcgagta ctgggaccac aaccaccctc agctccgatg tggttggtgtt 240  
tcngttgctc gttatgtaat tgaacaaggn cggctctttac ttgccnacct tcttcacttt 300  
cccaaaaaaa tttccnnacn cntttanagg gacnnggnat cacacgggaa aagtgnatgc 360  
cctggnta 368

<210> 18678  
 <211> 385  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB146-002-Q1-E1-C11

<400> 18678

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ggacagtgca aggatgaagt tgggaagcaa agctcaggat ctgaaagaca gagctcagta 120
ctacggacag caacatactg gtggggaaca tgaccgtgac cgtactcgtg gtggccagca 180
cactacttaa gttacccacac tgatgtcatc gtcatagtcc aataactcca atgtcgggga 240
gttaagttta tgaggaataa agtggtttana atttgatcag ggggagataa tnaaaaccga 300
gtttgaatcn ttttgttata agtaatgttt atgtgtgttt ccatatgggt gtcaaaggt 360
accatgtttt ttttcctccc ctaaa 385
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<210> 18679  
 <211> 363  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB146-002-Q1-E1-C3

<400> 18679

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tggtaaattt ggtcgctata tttgactact tgtactctgc tttgagaaga aaaataaaac 120
catttttggg tgatangtga ctgaataaac atctcttgtc tcttgatgga tcnactangg 180
tctggagatt agttcgttta ttgaactagt gtttttagaca atgcaagagt tccatagnag 240
cacagattca ttgccttgtc ctgcaacttc ttgggatanc tctgtcttca ccaactcaaa 300
tgtccaagga tcancatccc tgngcganan caacactttn naggnttggc atggacgatn 360
aaa 363
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<210> 18680  
 <211> 452  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB146-002-Q1-E1-C4

<400> 18680

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tggctcgagt ctcttctctt ctttctttct ccttaacact tttgatcctt ttccatgggt 120  
acgcggtcga acaggggtcag caggggtcagc agtttccgaa cgagtgccag ctcgaccagc 180  
tcaatgcgct cgagccttca caggtactga agagcgaggc tggtcgcatc gaggtgtggg 240  
accaccagc tcctcagctc cgttggtcag gtgtctcctt tgcacgttac atcatcgagt 300  
ctaagggtct ctacttgccc tctttcttta acaccgcgaa gctctccttc gtggctaaag 360  
gacgangtct tatggggaaa agtgatccct ggatgcgccg anacattcca agactcatca 420  
gagttccaac cagccttcga aggtcaaggt ca 452

<210> 18681  
<211> 413  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB146-002-Q1-E1-C5

<400> 18681

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gctacagaac gagtgttaacc tcgacaacct agatgttctc caagccaccg aaactatcaa 180  
gagtgaagcc ggtcagatcg agtactggga ccacaaccac cctcagctcc gatgtgttgg 240  
tgtttccgtt gctcgttatg taattgaaca aggcgggtctt tacntgccca cttcttcaact 300  
tccccaaaaa tttcctangt cgttcaaang aacnggggtat canccggaag aagtgggtccc 360  
tgngatntgc ccganaactt cagnggactc cgnangccgg atgcaagggn naa 413

<210> 18682  
<211> 461  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-002-Q1-E1-C8

<400> 18682

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aaaatcctac taacacctcc caaatcttta tacaccaa atgtatcataac catcatttac 180  
gtagtatcaa tctctcatct aaatgccc atttcataactt catgcaaaca aaccccat 240  
cctagcgtct gcgaccacca catgtctaat tcacctctca aacctttaga cgaccaaacg 300  
gatgggttca ctttccacga cttgtggtc agctccacca tggaccaggc cgtacaacta 360  
caccgccttg tgtcttccgt gaaacagcat cattctctcc acaaacacgc aacatcagct 420  
ttgtttgact gcttggagct ctacgannga cactatagna g 461

<210> 18683

<211> 405

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-002-Q1-E1-C9

<400> 18683

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actctcctta cggaatcta ttcatctctg agccgttgat gaagtttaga attccgaaac 180  
ctgaagatga agttgattat tatgggagta gtagccagga tgaaagtana agcactcaag 240  
gtggggtagt ggcaaactac agcaatgggt ctaaactgag aatgaatgcg agctccaaga 300  
agagaaagcg gtggacagaa gctgaggatg cangaggacg atgatgatct ctacaatcaa 360  
catgttactg angagcacta cccgatcaat gcttggggaa catgt 405

<210> 18684

<211> 472

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-002-Q1-E1-B11



<400> 18684

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tccgggccgc ctttgagggg ccagagacct caggaggagg aagaagaaga agaaggacga 120

cacggacgac acggtaatgg cttanaggag accatctgca gcgccagggtg caccgataac 180

ctcgatgatc cgtctcgtgc tgacgtgtac aagccacagc tcggttacat cagcactctc 240

aacagttacg atctcccat ccttcgcttc atccgtctct cagccctccg tggatctatc 300

cgtcaaaacg caatggtgct tccacagtgg aacgcaaacg cgaacgccat tctttacctg 360

acagacgggg aaagcccaa tccagatngt aaacgacaat ngtaacagaa gtgttttgaa 420

cgggncaaag ttctctcaa gggacaagct catagcccgt nccancaaag gt 472

<210> 18685

<211> 404

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-002-Q1-E1-D11

<400> 18685

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caggcgcgag caatcggata atatttatct tgagaacgct taggaagtgt ctcgctcttcg 180

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ctcctctttc atcncctgan ngatgangct gttccggctc cttcgagggg atggaagacg 300

gaagatggcg tggaagctgg angaggaaga tacggcnaga cgtcgttcct taagcggaag 360

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<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 18686

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acattggtca ggccggtntc cangtcggaa atgcttgctg ggagctttac tgtcttgaac 120  
atggcattca nctgatggc cagatgccgc agtgacaaga ctgttggcgg aagtgaacat 180  
gctttcaagc accttcttca ntgagacngg tgca 214

<210> 18687  
<211> 453  
<212> DNA  
<213> Arabidopsis thaliana .  
<223> unsure at all n locations  
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agtttgacgt agtccctcca gagaatgctt ctgtaagttc atatgggaag aagtctgttg 180  
tagaggaacg tgtcaagaag aagccccaac ctgtgaagat tagtccttgg actctagctc 240  
gtctcaatgc agaagaagtt tcaaaagcag cagcagaagc aagaaagaaa tccaaaataa 300  
tccagcctgt ggcgagacgg gaaaatccat tttgttggct tagaagcaag cagcagcttc 360  
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cagcgaaggc aatcaaagcg catacgggta cca 453

<210> 18688  
<211> 406  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB146-002-Q1-E1-D5  
<400> 18688

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ccagctcgac cagctcaatg cgctcgagcc ttcacacgta ctgaagagcg aggctggtcg 180  
catcgaggtg tgggaccacc acgctcctca gctcogttgc tcaggtgtct cctttgcacg 240

ttacatcatc gagtctaagg gtctctactt gccctctttc ttancaccg cgaaagctct 300  
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<210> 18689  
 <211> 462  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB146-001-Q1-E1-G5  
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 aaagatctct ttttcgtttc tcgctgtctg tagcatcaat ggcaatcgct tcctgcttct 180  
 tctgtgttcc aanaccgaac acagctatct ctgaatccaa tctgacatgg cctcacatcg 240  
 cttegtttcc tagactctct tcactttcct cttttaacgg tgtaatctct gcaaagtcaa 300  
 tctcttttaa ccgccgtgta cctattaccc ctgttttacc cgcttcaagt ggtaacggcg 360  
 gntctgataa taacggagga ggtcttantg gtggtggtgg tgggtggcgat tggnggnan 420  
 gaatganggg aatggacaan ggngacgang acaggggant gg 462

<210> 18690  
 <211> 454  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB146-001-Q1-E1-G7  
 <400> 18690

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 acaacttctt ccttcaatcc ctttgatttt tttttggctc tacttatccc aaacccttca 180  
 aatcttcagg tccaatctct tcttctatct gttttttaat taaaaaaatc cggcgaaagg 240  
 tgaagctctt ggattcgagt ggtggctagt aatcgatttc ggtagtttag aagtagttta 300

taggttttat cagctttcga tttgatggag cgcgagtcg gaaacaagtt tcggctcgga 360  
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<210> 18691  
 <211> 361  
 <212> DNA  
 <213> Arabidopsis thaliana  
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 aatgcttcca aagggacggc ttgggagagc tctgttcaat cacctgaagg tgtacaaagg 120  
 ccctgaccat cctcacgagg ccagaaaacc gcttgatctg cctatcaggg acaagagaat 180  
 acagctgcaa aaatagaagc tccaccactg ttccattatc gccaaagcga gagagttttt 240  
 tcttctcagg tttctgtatt ttcttcatcc caaaaccaga ggaggcttta cagattcttg 300  
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<210> 18692  
 <211> 462  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n' locations  
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 <400> 18692

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 ctgcttcttc ctcaccaacg cttccatcta ccgcaccgtc gttgagttcg aagaagatga 180  
 cgccactaac cccataggcc caaaaatgag gaaatgccgc aaggagtttc agaaagaaca 240  
 acacctaaga gcttgccagc aattgatgct ccagcaagca aggcaaggcc gtagcgatga 300  
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ccagcagtgc tgcaacgagc ttcgccagga aanagncaaa tttgtgtttt gccaacctt 420  
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aacgagtgcc agctcgacca gctcaatgcg ctcgagcctt cacacgtact gaagagcgag 240  
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tttgacgtt acatcatcga gtctaagggt ctctacttgc cctctttctt taacaccgcg 360  
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ctgctcgact tattgcaaga ggctatcgta cgccatcccg acgtgcttga atctgtccga 300  
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405

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atattaatta aatcaaaatg aaagtttgaa actcatgtaa ttactctctt ttgtttaatc 180  
caagaaaaac aaaaaatcta taagaaatct cattcaatta gacattcaat tagatataaa 240  
gttcaaagta ggttaaagtt aaaaaactgg tacaccaaaa caaaagagtt ggttgctcag 300  
ccgtatgagg taggaaactc tcaagtacgg ttctcagggg ggggaattgat ccgcctattc 360  
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atcttcgaga tgacggcagc ttgacgacg ccgttaaggg ttgtgacggc gtcttccatg 360  
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451

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tcgatatccg tcaactcgtg agcatggagc ccanatggaa acttgcttgg ggtttctttt 180  
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attgatgctc atgtaggctg tgtgaatgac ttggcggttcg cccacccaaa taagcaaatg 300  
tgtgttgtga cttgtgggga tgacaaattg attaangtgt gggatttgag tggggaagaa 360  
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<210> 18698  
<211> 469  
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<400> 18698

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gatctaaagt aatacaaata aaccttgatt gagattgtga aggagaagag tttaaaagca 180  
tggtacaga gagaggatca ataagttcat cagaaatata cagaactgct catctacaag 240  
atagaacagt tgcttgtctt cctccttcgt acggacaact tgtgaccatt cttagcatcg 300  
atgggtggtg gaatccgtgg gatnattccc ggcacaatct taagcttacc cttgaatcac 360  
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gaacaancac cngacgtttn attnctggcn aatgttganc gccacaagg 469

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 <213> Arabidopsis thaliana  
  
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 gttatcagaa gggagcatga aagctctttg tacttgtttt tatcagtact cagtaggtat 240  
 taatcaaatt tgcattgattt gtggaaaaca agtggtcagt ggtggatatg ttcttggtga 300  
 gtcacaatta ngttgaaaat taanggtgta aagttaagat ttcggtttga nacctcgtct 360  
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 gaaccggccc ac 432

<210> 18700  
 <211> 407  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB146-002-Q1-E1-A8

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 tgccagctcg accagctcaa tgcgctcgag ccttcacacg tactgaagag cgaggctggg 180  
 cgcacgagg tgtgggacca ccacgctcct cagctccgtt gctcangtgt ctcttttgca 240  
 cgttacatca tcgagctctaa gggctctctac ttgccctctt tctttaacaa ccgcgaagct 300  
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<210> 18701



<211> 406  
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 gagcgaggct ggtcgcacgc aggtgtggga ccaccacgct cctcagctcc gttgctcagg 240  
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 atgcgccgaa acattccaaa gactcatcag agttccaanc acgctt 406

<210> 18702  
 <211> 452  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 cagcatcttc gatctagcca gtcaccagaa ccagcttgac cgcaacccaa ggccatttta 180  
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 tcagacagcg cagcaacttc agaaccaaga tgacaaccgt ggaaacattg tccgagtcca 360  
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<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-002-Q1-E1-B1

<400> 18703

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aaagcaaagg atgttgcaag tccggtccag gttacgcgac gcctctcgcc gccatggccg 180
gtccacggga aaagctcatc tatgtcactg ccctttactc cggaacgggg cgagacnanc 240
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<210> 18704

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<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-E4

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<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-E5

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gtcattgagc ctcagggtct tttcttgccc actttcttga acgccggcaa actcacgttt 180

gttgttcacg gaaggggtct aatgggaaga gttattccgg gatgcgccga gacgttcacg 240

gagtcaccgg tatttgaga aggtcaaggt cagggtcaga gtcaagggtt ccgtgacatg 300

caccagaaag tagagcacct acggtgcggt gacaccattg caacaccatc tgggtgnacc 360

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<211> 402

<212> DNA

<213> Arabidopsis thaliana

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agtttccgaa cgagtgccag ctcgaccagc tcaatgcgct cgagccgtca cacgtactga 180

agagcgaggc tggtcgcacg gaggtgtggg accaccacgc tcttcagctc cggtgctcag 240

gtgtctcctt tgcacgttac atcatcgagt ctaagggtct ctacttgccc tctttcttta 300

acaccgcgaa gctctctttc gtggctaagg gacgaggtct tatgggaaaa gtgattcctg 360

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<210> 18707

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-E8

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<210> 18708  
 <211> 462  
 <212> DNA  
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 <223> Clone ID: LIB146-001-Q1-E1-F1  
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 ggagcggggt cgacgcacag gtcatagtc aagcattgaa aattgacgtt cagttggctc 300  
 agcagcttca gaaccaacan gacagcagag gaaacatcgt tcgtgttaag ggacctttcc 360  
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 <212> DNA  
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 aactcaatgc gctcgaacca tcccaaatca tcaanagcga ggggtggtcgc atcgaggtct 180  
 gggaccacca tgcacccag ctccgttgc cgggctttgc ctttgagcgt ttcgtcattg 240  
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<210> 18711  
 <211> 456  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB146-001-Q1-E1-F12  
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ttgctgtcag tgagtagtaa accaagtagt cacccatata taaatttctg gaaaatatga 300  
aactccta at cctacatgac ttaaaccctt tttagataat ttcattatca aatggctatt 360  
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<212> DNA  
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<223> unsure at all n locations  
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<400> 18712

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gaaactgcag tctcttgctt ctcaatttca aaaaacgata tagaacttct ttttaagttca 240  
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atcctctcta tatataccaa tgccaataat cataacacca cgaaccatct ttgctcaacg 360  
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<210> 18713  
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<212> DNA  
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<210> 18714  
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 agactggcaa gaaatcttga ctacttccg tgggttcagaa cttcaaaact acttcacacg 300  
 tattctagaa gataatctta aggccattat aaagcctcaa tatgtcgacc acatcccaag 360  
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<210> 18715  
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 ggcgatccag acgtgtgata atatacttca ccaggttgat gaaacacttg acctatttaa 240

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<210> 18716  
 <211> 461  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<210> 18717  
 <211> 450  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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